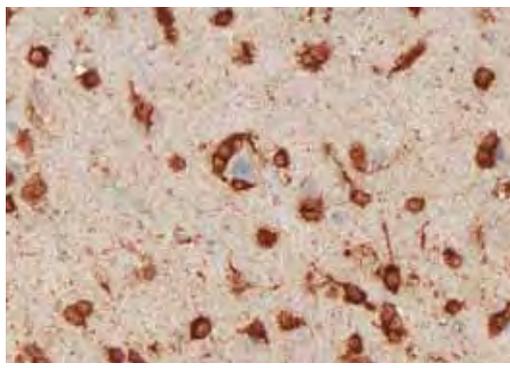
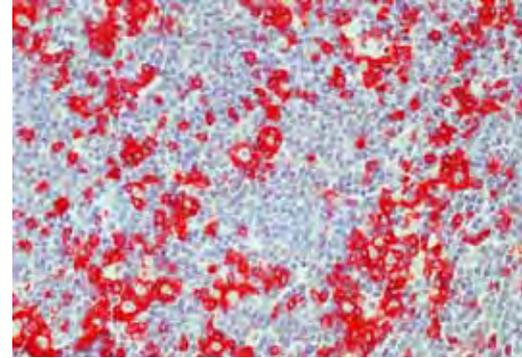


Outstanding
Markers

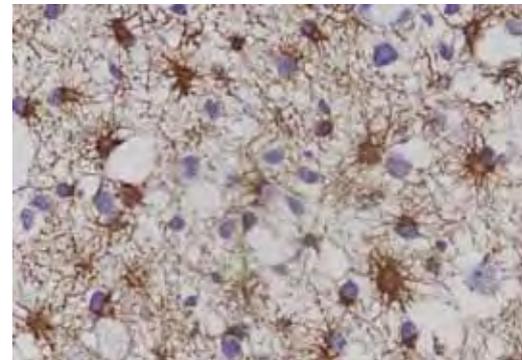
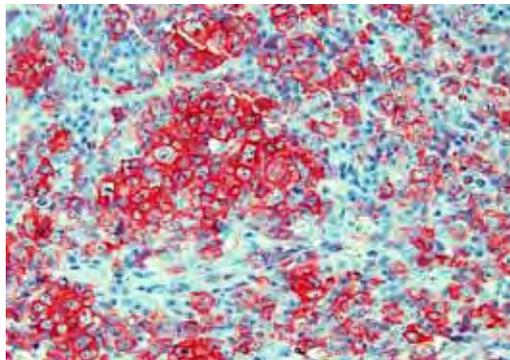
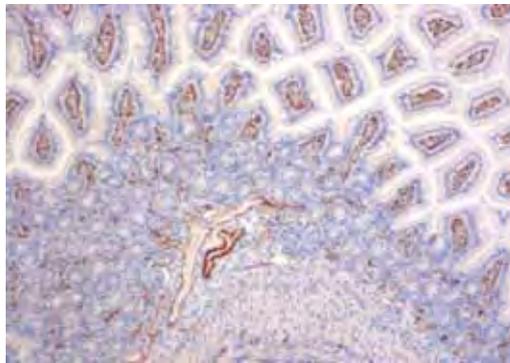


Excellent
FFPE
Staining



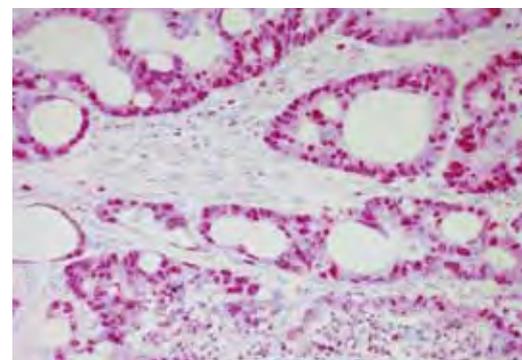
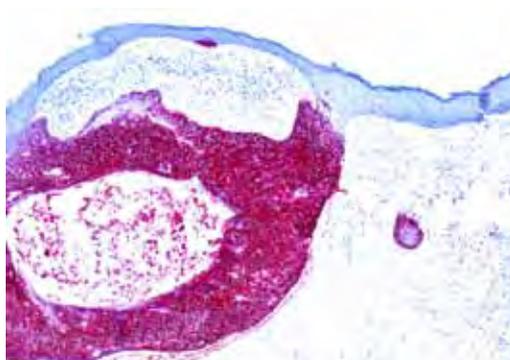
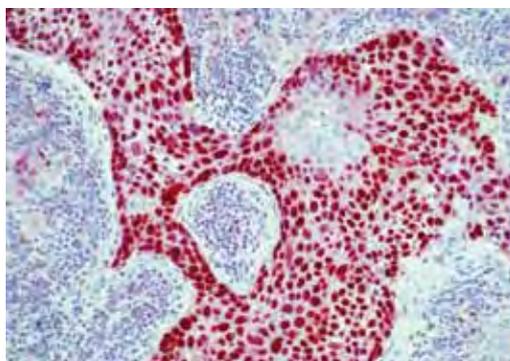
dianova

Superior
Staining
Quality



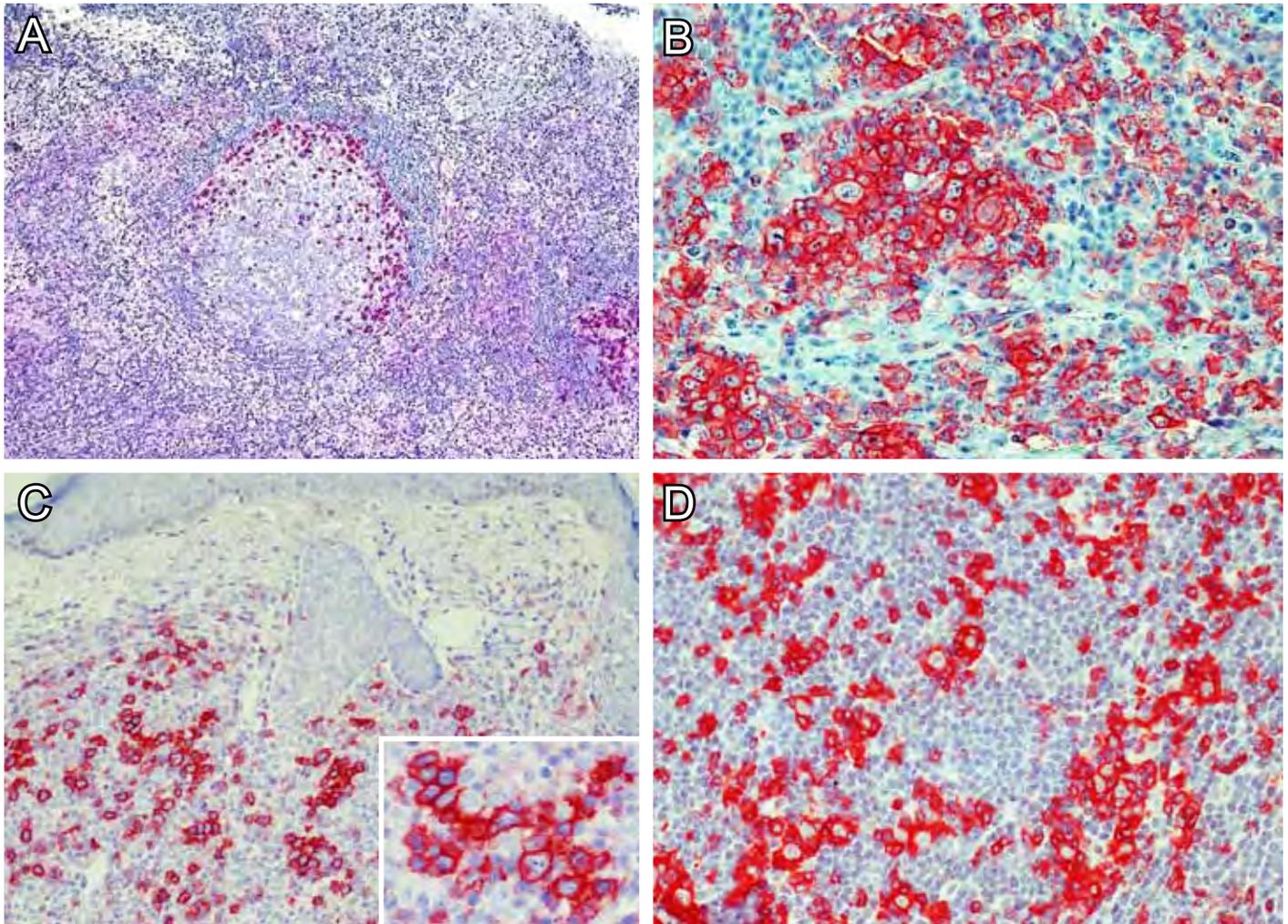
High Titer
Best Price

.....●
OPTISTAIN



Anti-PD-1 (clone NAT105) - a marker for follicular helper T cells (T_{FH}) and T-cell lymphomas related to T_{FH}-cells

PD-1 (Programmed Cell-Death 1) plays a key role in autoimmune diseases and in the mediation of tumor immunity. Antibodies directed against PD-1 are suitable for immunohistological detection of follicular helper T-cells (TFH), tumor-infiltrating T-cells (TILs) whose anti-tumor activity is inhibited by PD-1, lymphomas derived from TFH cells including angioimmunoblastic T-cell lymphoma, primary cutaneous CD4-positive small/medium T-cell lymphoma and the follicular variant of peripheral T-cell lymphoma NOS.



Different immunostainings at a dilution of 1:100 with anti-PD-1 (clone NAT105). **(A) Lymph node** - note the strong labeling of the follicular T-cells within the light zone of the germinal center. **(B) Angioimmunoblastic T-cell lymphoma** - the neoplastic cells are selectively labeled. **(C) Primary cutaneous CD4-positive small/medium T-cell lymphoma** - the insert shows labeled cells at a higher magnification. **(D) Lymphocyte predominant Hodgkin lymphoma** - the non-neoplastic T-cells expressing PD-1 form rosettes around the neoplastic LP cells.

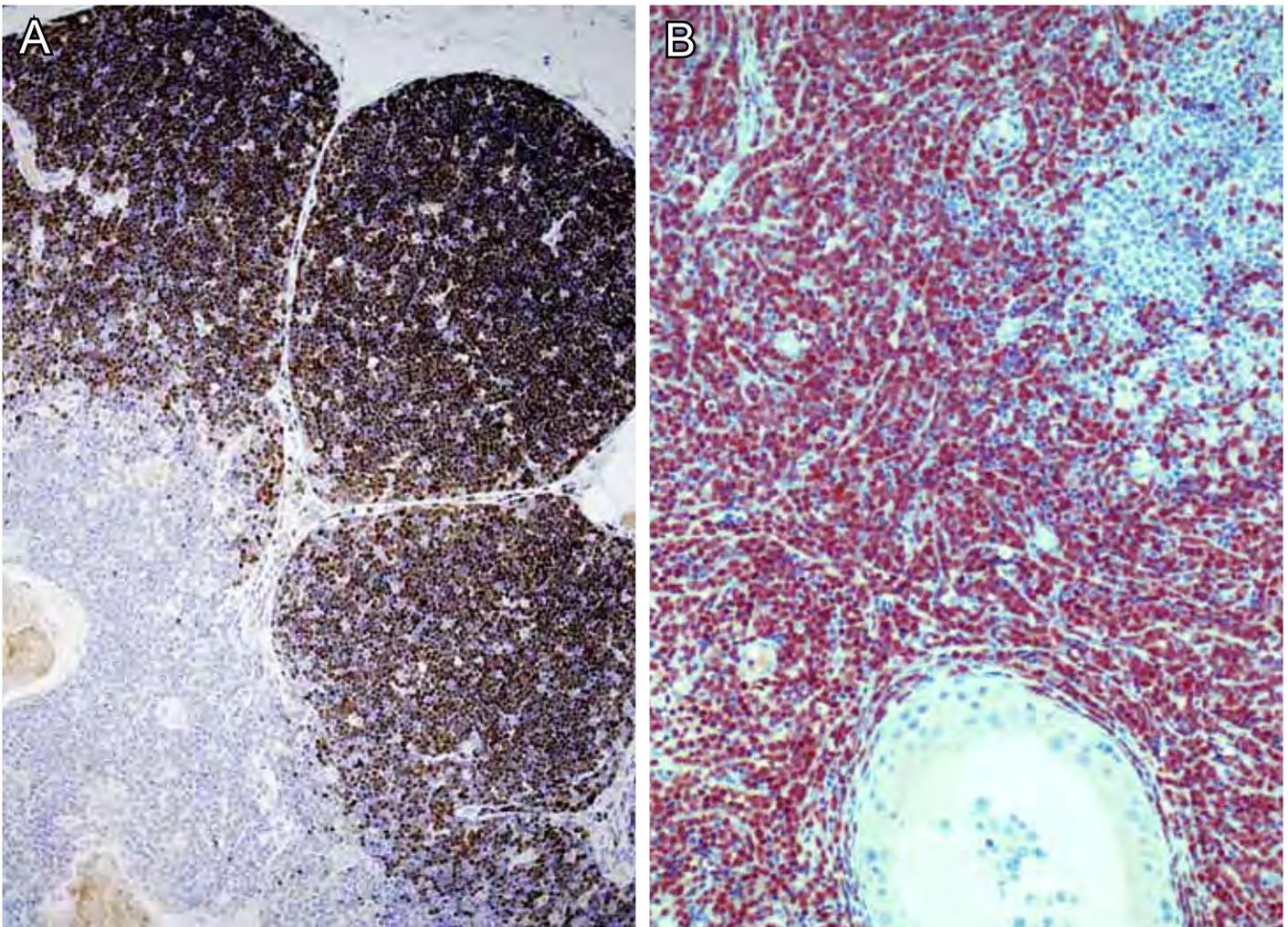
A marker for diagnosis of a variety of T-cell derived lymphomas

Specificity	Human PD-1
Clone	NAT105
Host / Isotype	Mouse / IgG1
Application	IHC-P, IHC-F, WB, FC, IP, IF
Dilution IHC-P	1:100-1:200

Product code	Quantity
DIA-PD1-P01	100 µl

Anti-TdT (clone 41C) - a marker for precursor B- and T-cells

TdT functions as a DNA-polymerase during immunoglobulin (IG) and T-cell receptor (TCR) gene rearrangements at the early differentiation stage of B- and T-cells. The anti-TdT antibody (clone 41C) selectively labels nuclei of early/precursor B- and T-cells. Moreover, anti-TdT (clone 41C) is suitable for identifying precursor lymphomas known as lymphoblastic lymphomas (LBL) or acute lymphoblastic leukemias (ALL). Anti-TdT antibody (clone 41C) is also reactive with some cases of blastic plasmacytoid dendritic cell neoplasms and some immature myeloid leukemias.



(A) Immunostaining of a **human thymus** with the anti-TdT antibody (clone 41C). Note the strong labeling of the cortical thymocytes. (B) Immunostaining of a **B lymphoblastic lymphoma in the testis** with the anti-TdT antibody. The precursor B cells are strongly labeled in their nuclei.

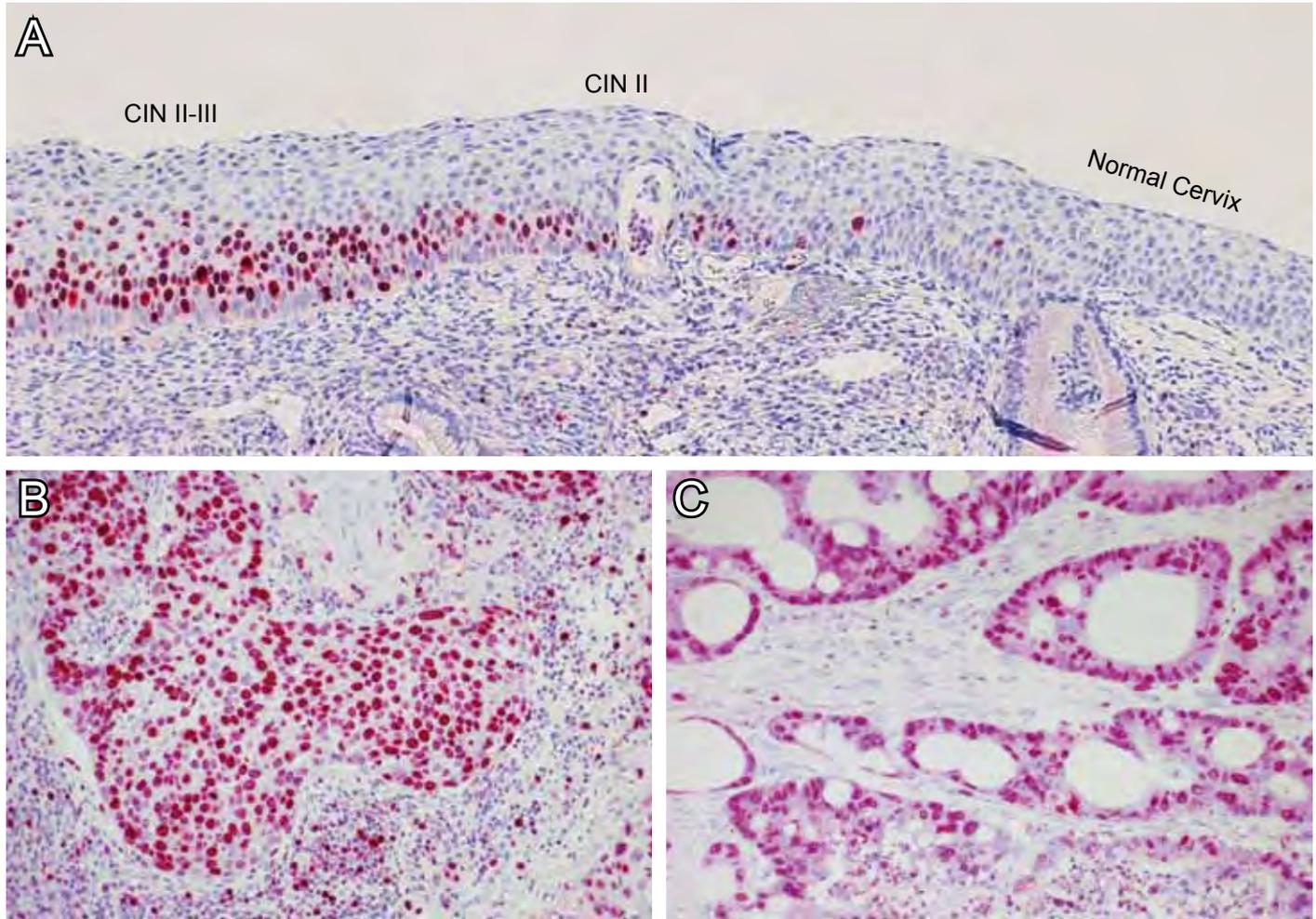
A marker for non-neoplastic and neoplastic precursor B- and T-cells as well as some acute myeloid leucemias and blastic plasmacytoid dendritic cell neoplasm.

Specificity	Human TdT
Clone	41C
Host / Isotype	Mouse / IgG2a
Application	IHC-P, WB, ELISA
Dilution IHC-FFPE	1:20-1:50

Product code	Quantity
DIA-TDT-P05	500 µl
DIA-TDT-M	Request your Sample

Anti-Ki-67 (clone Ki-67P) - the reference marker for cellular tumor proliferation

Antibodies directed against the Ki-67 antigen identify actively dividing cells at all stages of the cell cycle (late G1, S, M and G2 phases), but do not recognize cells in G0 phase. In diagnostic histopathology, Ki-67 has been used as a marker for cell proliferation of solid tumors and hematological malignancies. A correlation between the histopathological grade and the Ki-67 index has been demonstrated for many neoplasms.



Different Ki-67 immunostainings with clone Ki-67P. **(A) Uterine cervix.** The normal cervix epithelium is Ki-67 negative in contrast to the areas with a CIN II and CIN II-III. **(B) Squamous cell carcinoma of the neck.** Nearly all of the tumor cells are in proliferation, showing that the carcinoma is rapidly dividing. **(C) Colon carcinoma.** Most of the tumor cells are in proliferation, indicating a fast growing carcinoma.

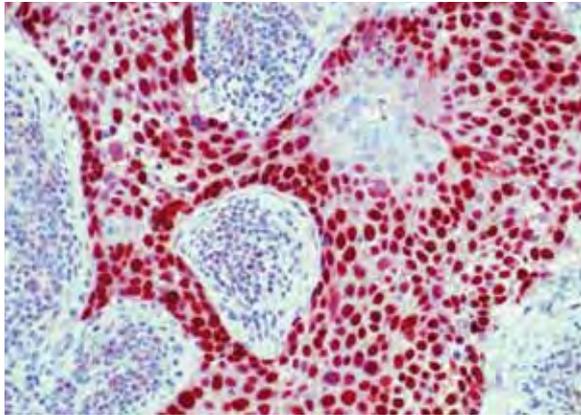
Ki-67 - Reference marker for assessing cellular tumor proliferation.

Specificity Human Ki-67
Clone **Ki-67P**
Host / Isotype Mouse / IgG1
Application IHC-P
Dilution IHC-P 1:100-1:200

Product Code	Quantity
DIA-670-P05	0,5 ml
DIA-670-P1	1,0 ml
DIA-670-M	Request your Sample

Anti-p53 (clone CC53) - marker for the most common genetic abnormalities in malignant transformation of human tumors

Over 50% of human cancers contain mutations in the p53 tumor suppressor gene. Many mutations of the p53 gene have been found to be associated with malignant transformation in a wide variety of human tumors.

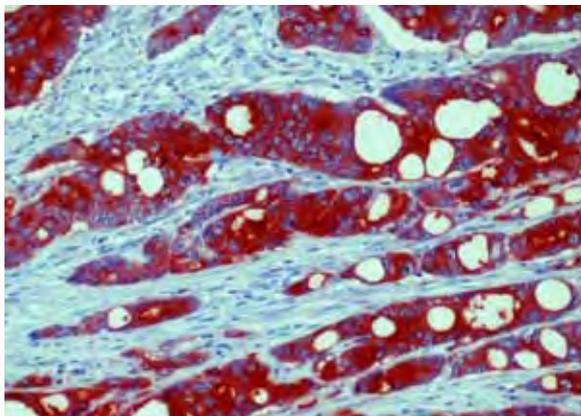


Squamous cell carcinoma of the neck. p53 immunostaining with clone CC53. Nearly all tumor cells show strong nuclear positivity. This p53 upregulation points to a loss of its tumor suppressor function which permits the survival of cells with oncogenic genetic alterations.

Nuclear p53 staining has been shown to be a negative prognostic factor in breast carcinoma, lung carcinoma, colorectal and urothelial carcinoma. p53 positivity has also been used to differentiate uterine serous carcinoma from endometrioid carcinoma and ovarian serous carcinoma as well as to detect intratubular germ cell neoplasia.

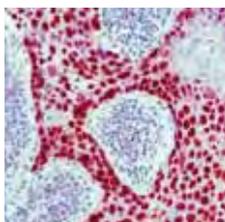
Anti-CEA (clone CI-P83-1) - a marker for many epithelial tumors and almost all colorectal adenocarcinomas.

Clone CI-P83-1 shows no crossreaction with NCA (non-specific cross-reacting antigen, CD66c), BGP (Biliary Glycoprotein, CD66a) and is negative on granulocytes.



Immunostaining of a colon carcinoma with anti-CEA (clone CI-P83-1).

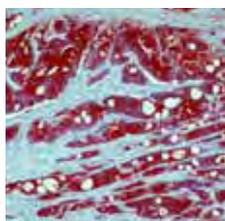
Widely used marker to identify gastrointestinal tract adenocarcinomas, to differentiate pulmonary adenocarcinomas from malignant mesothelioma, to distinguish hepatocellular carcinoma from cholangiocarcinoma and metastatic carcinomas and also to differentiate endometrial endometrioid carcinoma from endocervical adenocarcinoma.



anti-human p53 - marker for tumor malignancy

Specificity Human p53
Clone **CC53**
Host / Isotype Mouse / IgG1
Application IHC-P
Dilution IHC-P 1:100-1:200

Product Code	Quantity
DIA-530-P05	0,5 ml
DIA-530-P1	1,0 ml
DIA-530-M	Request your Sample

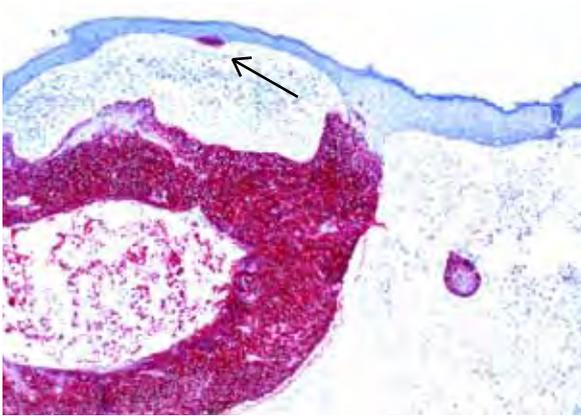


anti-human CEA - marker for a wide variety of carcinomas

Specificity CEA
Clone **CI-P83-1**
Host / Isotype Mouse / IgG1
Application IHC-P, IHC-F, WB, IF, FC, IP
Dilution IHC 1:50-1:100

Product Code	Quantity
DIA-800-P05	0,5 ml
DIA-800-M	Request your Sample

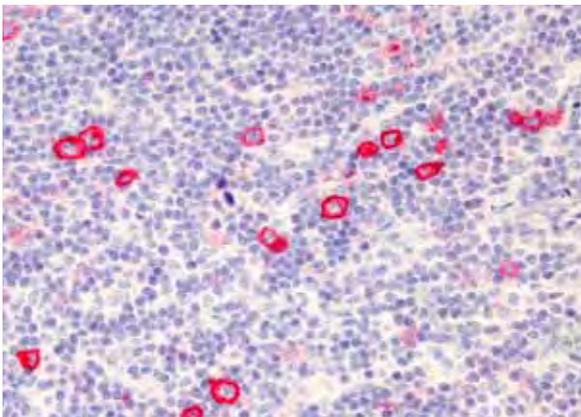
Anti-EpCAM (clone Ber-EP4) - marker for epithelial tumor cells



Immunohistochemistry of human EpCAM (CD326) in formalin-fixed paraffin-embedded tissue sections. Basal cell carcinoma (BCC) immunostained with antibody clone Ber-EP4. Arrow: BCC in statu nascendi.

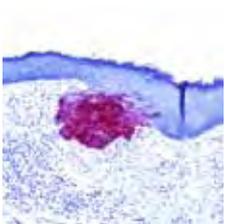
Anti-EpCAM (clone Ber-EP4) is highly suitable for the discrimination between basal cell carcinomas and squamous cell carcinomas of the epidermis. Moreover, the antibody is of great help in identifying remnants of basal cell carcinomas at the margin of biopsies and it is also of value for the distinction between mesotheliomas and adenocarcinomas.

Anti-CD30 (clone Ber-H2) - marker for lymphoma tumor cells



Classical reaction of CD30-specific antibody clone Ber-H2 with Hodgkin's lymphoma.

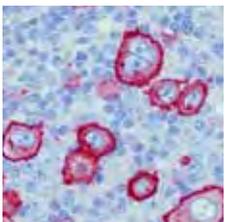
Anti-CD30 antibody is suitable for confirming the diagnosis of classical Hodgkin's lymphoma (CHL) and essential for the diagnosis of anaplastic large cell lymphomas (ALCL). In cutaneous CD30-positive lymphoproliferations TRAF1 (see below) can be used for the differentiation of lymphomatoid papulosis (LyP) and primary cutaneous anaplastic large T-cell lymphoma (cALCL).



anti-human EpCAM / CD326 - epithelial tumor marker

Specificity Human EpCAM / CD326
 Clone **Ber-EP4**
 Host / Isotype Mouse / IgG1
 Application IHC-P, WB
 Dilution IHC-P 1:80-1:160

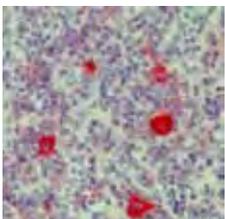
Product Code	Quantity
DIA-326-P05	0,5 ml



anti-human CD30 / Ki-1 - lymphoma marker

Specificity Human CD30 / Ki-1
 Clone **Ber-H2**
 Host / Isotype Mouse / IgG1
 Application IHC-P, WB
 Dilution IHC-P 1:160

Product Code	Quantity
DIA-300-P05	0,5 ml

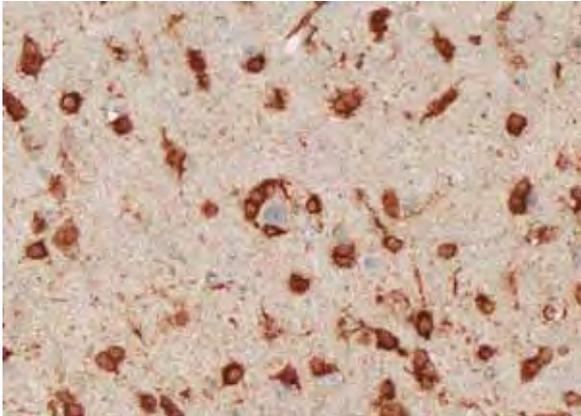


anti-human TRAF1 - differentiation of LyP and cALCL in CD30-positive lymphoproliferations

Specificity TRAF1
 Clone **Ber-TRAF1**
 Host / Isotype Mouse / IgG1
 Application IHC-P, WB
 Dilution IHC-P 1:160

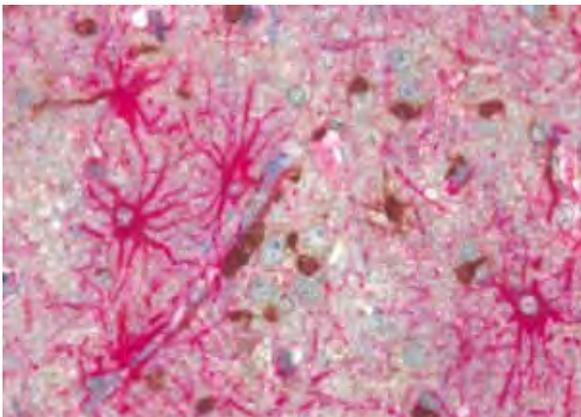
Product Code	Quantity
DIA-333-P05	0,5 ml
DIA-333-M	Request your Sample

Anti-IDH1^{R132H} (clone H09) - a brain tumor marker for astrocytoma and oligodendroglioma



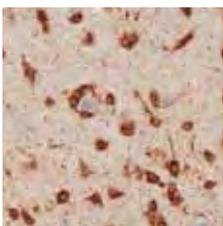
Cortex infiltrated by oligodendroglioma with selective labeling of tumor cells by antibody clone H09.

Anti-IDH1 R132H (clone H09) reacts selectively with astrocytoma and oligodendroglioma cells and allows discrimination from non-neoplastic astrocytes and from reactive gliosis. It is also suitable for the discrimination of various brain tumors, such as anaplastic astrocytoma from primary glioblastoma or diffuse astrocytoma grade II from pilocytic astrocytoma or ependimoma.



GFAP/IDH1^{R132H} doublestaining of an oligodendroglioma tumor margin demonstrated by a selective labeling of the tumor cells with anti IDH1 R132H (clone H09) in brown and the non-neoplastic astrocytes labeled with anti-GFAP (e.g. clone IF3) in red. (Images courtesy of Prof. A. von Deimling, Department of NUSDopathology, University of Heidelberg).

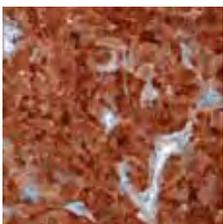
The antibody to GFAP (clone IF3) selectively labels non-neoplastic and neoplastic astrocytes and thus is useful in distinguishing primary gliomas from metastatic lesions in the brain.



anti-human IDH1 R132H - specific diagnosis of brain tumors

Specificity IDH1 R132H
 Clone **H09**
 Host / Isotype Mouse / IgG2A
 Application IHC-P, WB
 Dilution IHC 1:20

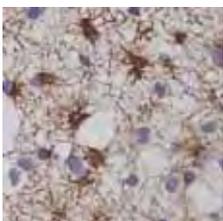
Product Code	Quantity
DIA-H09	0,5 ml
DIA-H09-M	Request your Sample



anti-human IDH1 - control that detects wildtype IDH1

Specificity IDH1
 Clone **W09**
 Host / Isotype Rat / IgG2A
 Application IHC-P, WB
 Dilution IHC 1:20

Product Code	Quantity
DIA-W09	0,5 ml
DIA-W09-M	Request your Sample

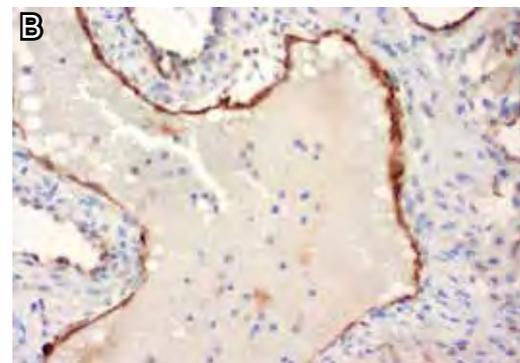
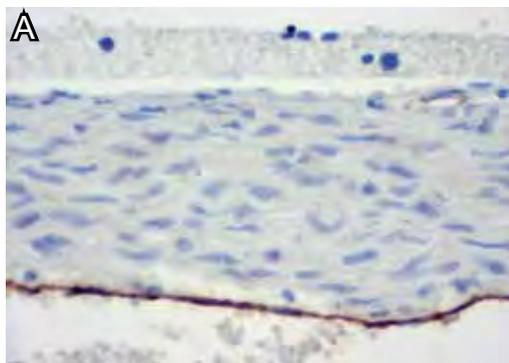


anti-human GFAP - astrocyte marker

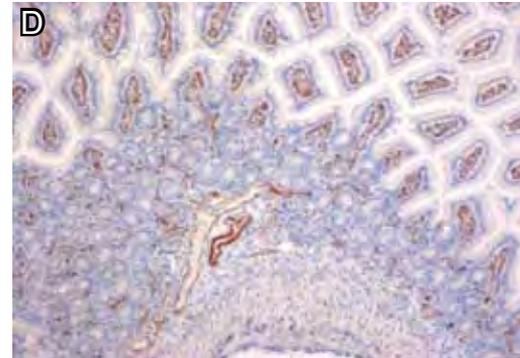
Specificity GFAP
 Clone **IF3**
 Host / Isotype Mouse / IgG1
 Application IHC-P, WB
 Dilution IHC 1:160-1:320

Product Code	Quantity
DIA-700-P05	0,5 ml
DIA-700-M	Request your Sample

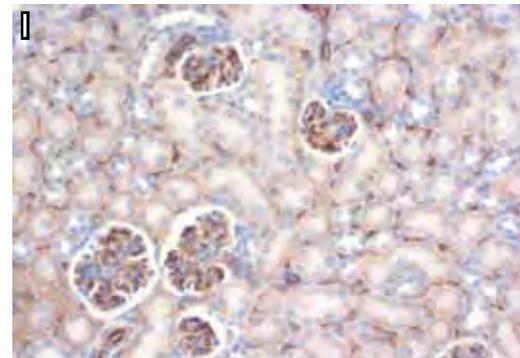
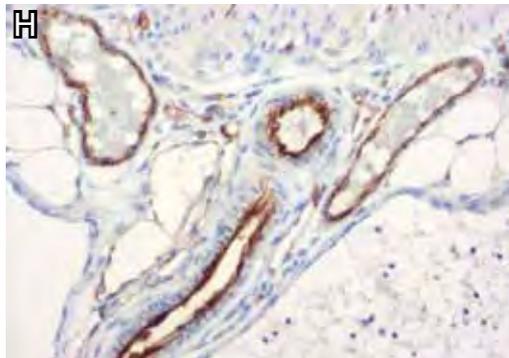
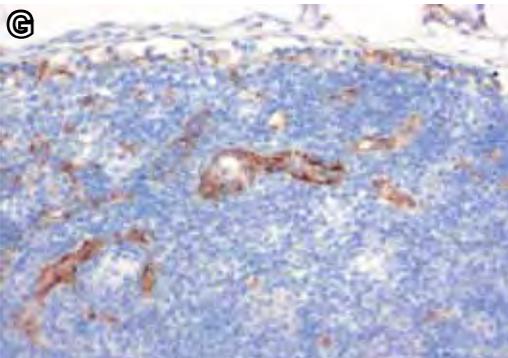
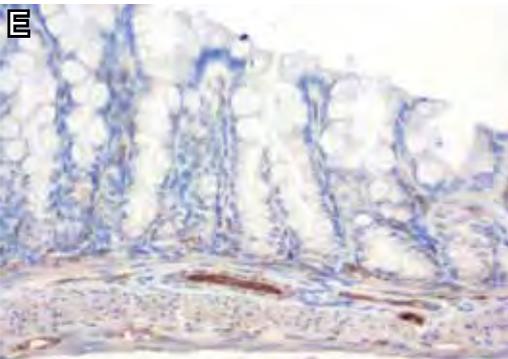
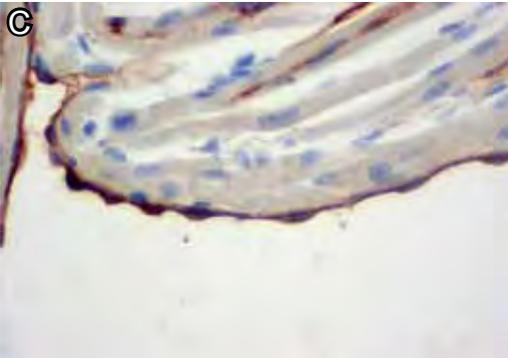
Preclinical Research



Rat anti-
Mouse CD31
for FFPE sections



Endothelial Cell Marker for Angiogenesis



Specific staining of mouse endothelial cells with the rat anti-murine CD31 antibody (clone SZ31) in different tissues. A - Aorta, B - Aortic origin, C - Endocardium, D - Small intestine, E - Colon, F - Brain, G - Lymph nodes, H - Mesenterial vessels, I - Kidney (Pictures courtesy of Prof. Dr. Robert Klopffleisch, Institute of Pathology, Department of Veterinary Pathology, Berlin, Germany).

Rat anti-mouse CD31 - marker for endothelial cells in FFPE sections

The rat anti-CD31 (clone SZ31) is the first antibody which allows detection of the endothelial cell marker CD31 in standard formalin-fixed paraffin-embedded tissue sections (FFPE) of mice.

Specificity	Mouse CD31 (PECAM-1)
Clone	SZ31
Host / Isotype	Rat / IgG2a
Application	IHC-P, IHC-F, WB
Dilution IHC	1:20

Product Code	Quantity
DIA-310	0,5 ml
DIA-310-M	Request your Sample



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