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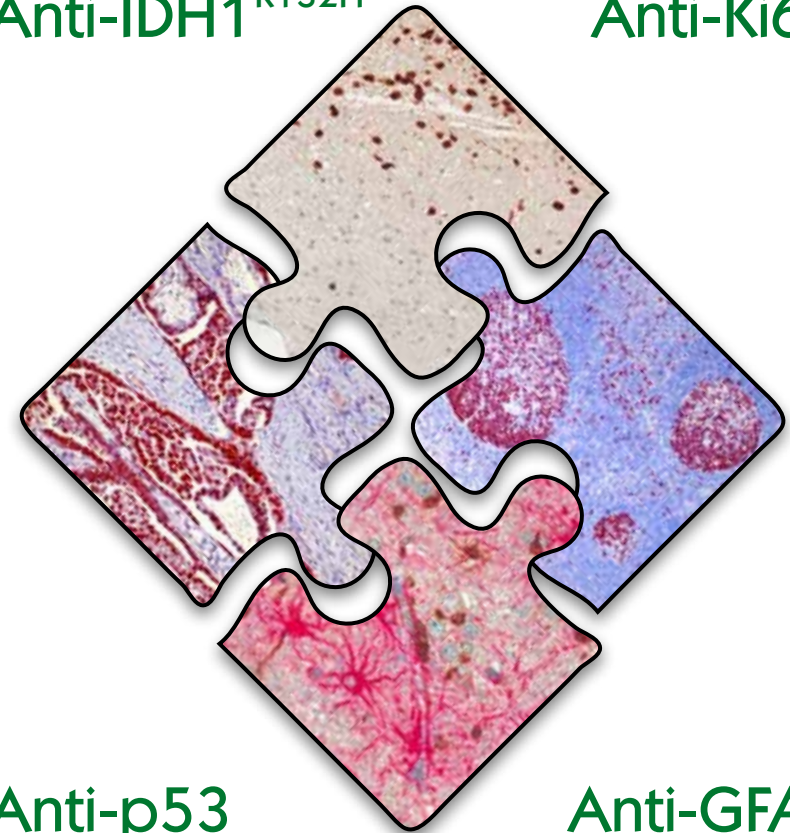


Gesellschaft für biochemische, immunologische
und mikrobiologische Diagnostik mbH

Warburgstr. 45 • 20354 Hamburg, Germany

Anti-IDH1^{R132H}

Anti-Ki67

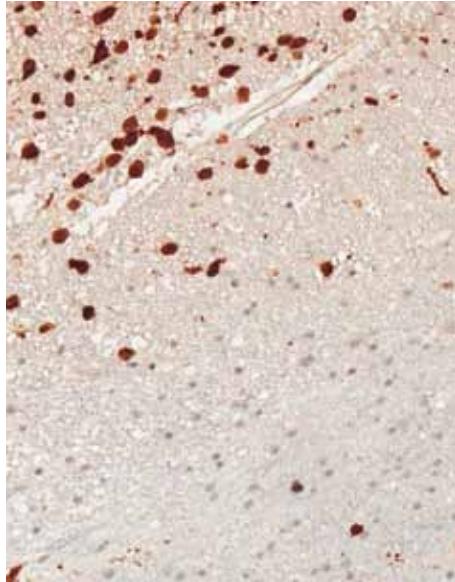


Anti-p53

Anti-GFAP

Neuropathology Diagnostics

Glioma Immunohistochemistry

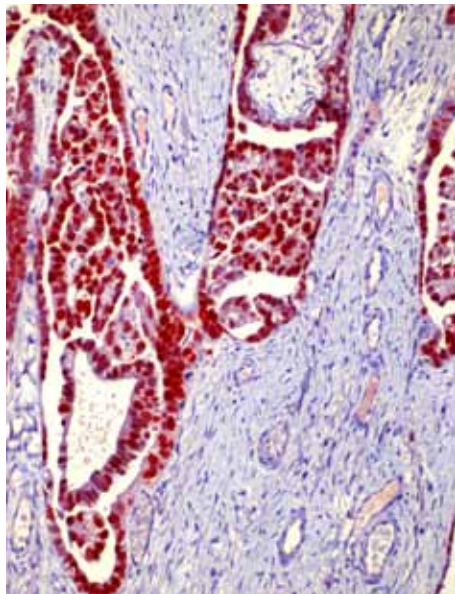


IDH1 R132H: Astrocytoma, Oligodendroglioma Marker

IDH1 R132H immunostaining is indispensable in glioma research and diagnosis. This unique point mutation specific antibody helps to resolve two common problems in differential diagnostics: diffuse versus pilocytic astrocytoma and invasion of diffuse astrocytoma versus reactive gliosis.

Specificity	IDH1 R132H
Cat.No.	DIA-H09
Clone	H09
Presentation	Purified antibody lyophilizate
Size	0.5ml reconstituted liquid
Dilution	1:20-1:50

Fig.: Infiltration zone of anaplastic astrocytoma with specific labelling of infiltrating glioma cells by antibody clone H09.

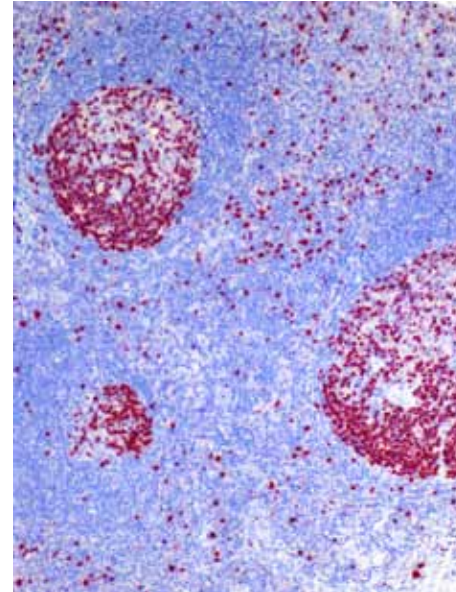


p53: Helps to detect single invading astrocytoma cells

p53 immunostaining is useful for demonstrating accumulation of p53 protein, which occurs in a high frequency in a wide variety of transformed cells and helps to detect single invading astrocytoma cells.

Specificity	p53
Cat.No.	DIA-530
Clone	CC53
Presentation	Purified antibody lyophilizate
Size	0.5ml reconstituted liquid
Dilution	1:100-1:200

Fig.: Staining pattern of p53 in serous ovarian carcinoma.

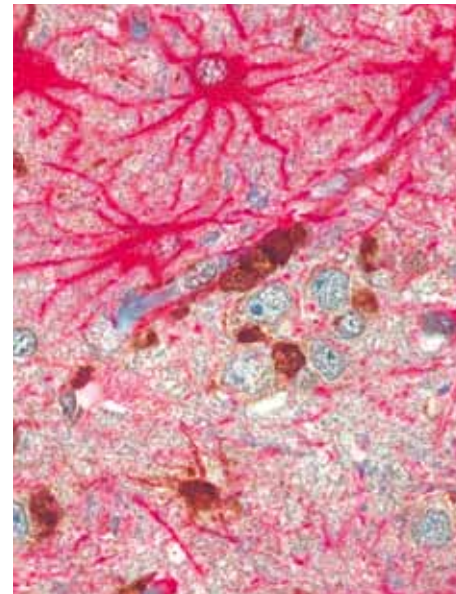


Ki-67/MIB1: Assessment of proliferation

Ki67/MIB1 has been established as the reference marker for assessing cellular proliferation in tumour cells. The antibody identifies actively dividing cells at all stages of the cell cycle (late G1, S, M and G2 phases), but does not recognize cells in G0 phase.

Specificity	Ki-67/MIB1
Cat.No.	DIA-670
Clone	Pro1
Presentation	Purified antibody lyophilizate
Size	0.5ml reconstituted liquid
Dilution	1:100-1:200

Fig.: Staining pattern of nuclear Ki67 antigen in normal human tonsil.



GFAP: Marker of glial differentiation

GFAP (Glial Fibrillary Acidic Protein) has proven to be the most specific marker for cells of astrocytic origin that distinguishes differentiated astrocytes from other glial cells during the development of the central nervous system.

Specificity	GFAP
Cat.No.	DIA-700
Clone	IF3
Presentation	Purified antibody lyophilizate
Size	0.5ml reconstituted liquid
Dilution	1:300-1:600

Fig.: Double staining of GFAP (red) and IDH1 R132H (brown) of oligodendroglioma infiltration zone showing specific labelling of tumor cells but not of GFAP positive reactive astrocytes.