

Product datasheet

anti-Glial Fibrillary Acidic Protein mouse monoclonal, GF 12.24, prediluted, purified

Short overview

Cat. No.	65011
Quantity	5 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2a
Clone	GF 12.24
Immunogen	Intermediate filament cytoskeleton from cultured human glioma cells
Formulation	PBS pH 7.4 with 0.5% BSA and 0.09% sodium azide
UniprotID	Q28115 (Bovine),P14136 (Human),P03995 (Mouse),P47819 (Rat)
Synonym	Glial fibrillary acidic protein, GFAP, GFAP
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	ICC/IF, IHC, WB
Reactivity	Bovine, Human, Mouse, Rat

Applications

Immunocytochemistry (ICC)	Assay dependent
Immunohistochemistry (IHC) - frozen	Ready-to-use
Immunohistochemistry (IHC) - paraffin	Ready-to-use (microwave treatment recommended)
Western Blot (WB)	Assay dependent

Background

GF 12.24 represents an excellent marker for cell typing. Suitable for prenatal diagnosis of neural tube defects. Polypeptide reacting: Mr 50,000 glial filament protein GFAP (Glial Fibrillary Acidic Protein, Glial Filament Protein). Tumors specifically reacting: astrocytomas, gangliomas, medulloblastomas, mixed gliomas, certain ependymomas, certain teratomas.

Reactivity on cultured cell lines: human U 333 CG/343MG

Product images



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References

Publication	Species	Application
Schäfer, R. et al. Interplay between Endothelin and Erythropoietin in Astroglia: The Role in Protection against Hypoxia. Int. J. Mol. Sci. 15, 2858–2875 (2014).	rat	IHC-IF
Guo, X. et al. Delayed Onset of Experimental Autoimmune Encephalomyelitis in Olig1 Deficient Mice. PLoS One 5, e13083 (2010).	mouse	IHC
Achtstätter, T. et al. Expression of glial filament protein (GFP) in nerve sheaths and non-neural cells re-examined using monoclonal antibodies. J. Differentiation 31, 206–227 (1986).	human, rat, bovine	WB, IHC (frozen), ICC-IF