



Millipore IHC SELECT® PRIMARY ANTIBODY: IHC2079-6

PREDILUTED MOUSE ANTI-PORCINE GLIAL FIBRILLARY ACIDIC PROTEIN (GFAP) MONOCLONAL ANTIBODY CLONE GA5

CATALOG NUMBER: IHC 2079-6
LOT NUMBER:
QUANTITY: 6 mL, Prediluted, Ready To Use
INTENDED USE: For *In Vitro* Diagnostic Use

GFAP (monoclonal) is intended for laboratory use to qualitatively identify by light microscopy glial cells in normal and/or pathological paraffin-embedded tissues fixed with formalin. GFAP specifically binds to antigens located in the cytoplasm of normal and pathological glial cells. The clinical interpretation of any staining or its absence should be complemented by morphological studies using proper controls and should be evaluated within the context of the patient's clinical history and other diagnostic tests by a qualified pathologist.

This antibody has been optimally prediluted for use with Millipore's IHC Select™ Detection Kits (DAB150, DAB500, DET-HP1000, APR150, and APR500).

SPECIFICITY: GFAP is a member of the intermediate filament family of proteins. GFAP monoclonal reacts strongly with human GFAP and also reacts with GFAP in many other mammalian species. IHC2079-6 GFAP stains astrocytes and microglia in the brain and is also detected in peripheral nerves.

PRINCIPLE OF PROCEDURE: GFAP (IHC2079-6) may be used as the primary antibody with Millipore's IHC Select™ Detection Kits. In general, immunohistochemical (IHC) staining techniques allow for the visualization of antigens via the sequential application of a specific antibody to the antigen (primary antibody), a secondary antibody to the primary antibody (link antibody), and enzyme complex and a chromogenic substrate with interposed washing steps. The enzymatic activation of the chromogen results in a visible reaction product at the antigen site. The specimen may then be counterstained and cover slipped. Results are interpreted using a light microscope and aid in the differential diagnosis of pathophysiological processes, which may or may not be associated with a particular antigen.



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- IMMUNOGEN:** GFAP isolated from porcine spinal cord
- ISOTYPE:** IgG1
- APPLICATIONS:** Immunohistochemistry of formalin-fixed, paraffin-embedded tissues.
- FORMAT:** Purified immunoglobulin fraction of rabbit antiserum supplied in liquid format in PBS pH 7.2 with stabilizers, 0.2% Tween 20, and 0.1% ProClin 300 as preservative.
- STORAGE/
HANDLING/STABILITY:** GFAP is suitable for use 18 months from the point of manufacture when stored at 2-8°C. Do not use after expiration date stamped on vial. If reagents are stored under conditions other than those specified in the package insert, they must be verified by the user.
- REFERENCES:**
1. Debus, E, et al., (1983) Differentiation 25:193.
 2. Altmannsberger, M, et al. (1982) Lab. Invest. 46:520.
 3. Gown, AM and Vogel, AM (1985) Am. J. Clin. Path. 84:413.
 4. Achtstätter, T, et al. (1986) Differentiation 31:206.
 5. Quinlan, RA and Franke, WW, (1983) Eur. J. Biochem. 132:477.
 6. Mena, MA, et al., (1999) J. Neural Transmission 106:1105.
 7. Justicia, C, et al., (2000) Glia 30:253.