

GFAP Monoclonal Antibody

ORDERING INFORMATION

Catalog no.: 56566 (clone S206A-8)

Format: 100ug (1mg/ml) Protein G-purified antibody in PBS, pH 7.4, 0.1% sodium azide, 50% glycerol.

BACKGROUND

Glial fibrillary acidic protein (GFAP) is a major structural component of astrocytes. Phosphorylation of GFAP, and its association with annexin II-p2 and S-100, regulates GFAP polymerization. One of the first events that occurs during astrocyte proliferation is increased GFAP expression. Antibodies to GFAP have been detected in individuals with dementia, although the significance of this has not been conclusively determined.

SPECIFICATION SUMMARY

Antigen: Synthetic peptide corresponding to aa 411-422 (KTVEMRDGEVIK) of human GFAP. This sequence is 100% identical to rat and mouse.

Accession nos.: NP_001124491.1, P14136

Gene ID: 2670

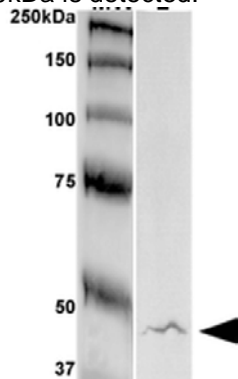
Host Species: Mouse

Antibody Class: IgG1

Specificity: This antibody recognizes human, mouse and rat GFAP. It cross-reacts with GFAP-R416W and other GFAP mutant proteins.

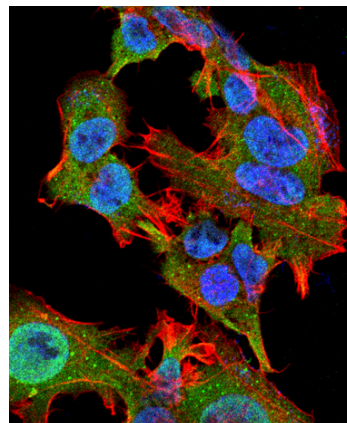
APPLICATIONS

Immunoblotting: use at 1-4ug/ml. A band of ~50kDa is detected.



Detection of GFAP in rat brain lysate with #56566 at 4ug/ml.

Immunofluorescence: use at 10ug/ml.



Detection of GFAP in neuroblastoma cell line SK-N-BE with #56566 at 10ug/ml: DAPI (blue) nuclear stain, Texas Red F actin stain, ATTO 488 (green) GFAP stain.

These are recommended concentrations. Endusers should determine optimal concentrations for their application.

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DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY

This product is stable for at least one (1) year at -20°C.

For in vitro investigational use only. Not intended for therapeutic or diagnostic procedures.