



Product Information

ANTI-GLIAL FIBRILLARY ACIDIC PROTEIN (GFAP)

Developed in Rabbit
IgG Fraction of Antiserum

Product No. **G 9269**

Product Description

Anti-glial fibrillary acidic protein (GFAP) is developed in rabbit using GFAP purified from human brain as the immunogen. Whole antiserum is fractionated and then further purified by ion-exchange chromatography to provide the IgG fraction of antiserum which is essentially free of other rabbit serum proteins.

Using immunofluorescent or immunoperoxidase labeling on alcohol- and formalin-fixed, paraffin-embedded or frozen tissue sections, the antibody localized GFAP in astrocytes, glia cells (Bergmann glia), gliomas and other glial cell derived tumors. Specific localization of GFAP is also obtained by an immunoblotting technique.

Rabbit Anti-GFAP has proven a valuable tool for use in immunocytochemical localization of GFAP in normal central nervous system tissue and certain tumors and metastases of the glial antigen as well as for immunofluorescent labeling of cultured mammalian cells.

Reagents

The product is provided as a solution in 0.01 M phosphate buffered saline, pH 7.4, containing 15 mM sodium azide as a preservative.

Precautions and Disclaimer

Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazards and safe handling practices.

Product Profile

Total Protein: Determined by absorbance at 280 nm
(Extinction, $E_{280}^{1\%} = 1.4$)

Working Dilutions

1. A minimum working concentration of 1:80 was determined by indirect immunoperoxidase technique, using alcohol- and formalin-fixed, paraffin-embedded sections of human or animal brain tissue. This concentration range shows strong intensity, maximal number of stained cells and minimal background staining.
2. A minimum working dilution of 1:100 was determined by indirect immunoblotting using human brain extract blots.

In order to obtain best results, it is recommended that each individual user determine their optimum working dilutions by titration assay.

Storage

Store at 2-8 °C up to one month.

For extended storage, solution may be frozen in working aliquots. Repeated freezing and thawing is not recommended. Storage in "frost-free" freezers is not recommended. If slight turbidity occurs upon prolonged storage, clarify by centrifugation before use.

Pcs 4/01

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