



## GFAP Monoclonal Antibody

Cat #: ABM0021

Size: 100µl

### Product Information

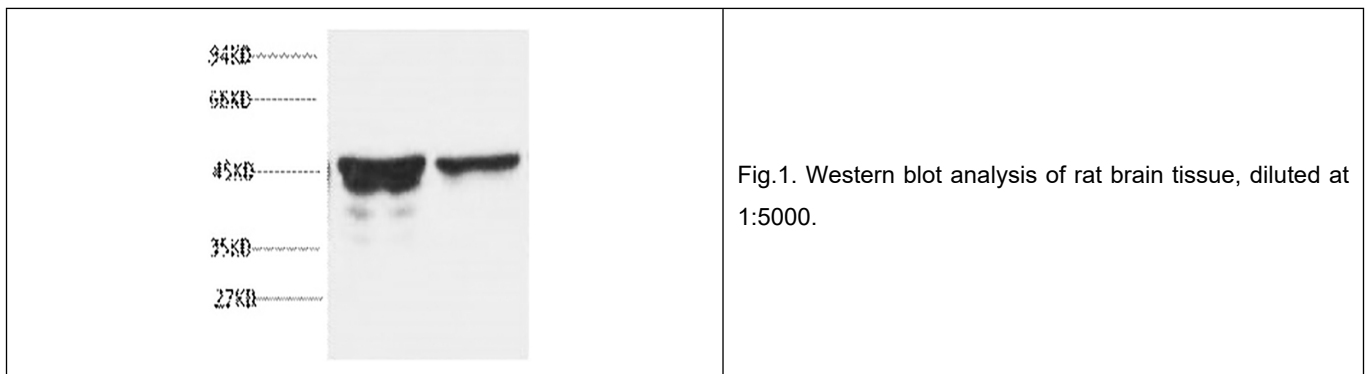
|   |  |   |   |
|---|--|---|---|
|   | <b>Product Name:</b> GFAP Monoclonal Antibody                        |   |   |
|   | <b>Applications:</b> WB, IF, IHC-P                                   |   | <b>Isotype:</b> Mouse IgG1                |
|   | <b>Reactivity:</b> Mouse, Rat  |   |   |
| <b>REF</b>  | <b>Catalog Number:</b> ABM0021                                       | <b>LOT</b>  | <b>Lot Number:</b> Refer to product label |
|   | <b>Formulation:</b> Liquid   |   | <b>Concentration:</b> 1 mg/ml             |
|  | <b>Storage:</b> Store at -20°C. Avoid repeated freeze / thaw cycles. |  | <b>Note:</b> Contain sodium azide.        |

**Background:** GFAP encodes glial fibrillary acidic protein, one of the major intermediate filament proteins of mature astrocytes. It is used as a marker to distinguish astrocytes from other glial cells during development. Mutations in GFAP cause Alexander disease, a rare disorder of astrocytes in the central nervous system. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

**Application Notes:** Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:2000-1:5000), IF (1:100-1:200), IHC-P (1:50-1:300).

**Storage Buffer:** PBS, pH 7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol.

**Storage Instructions:** Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.



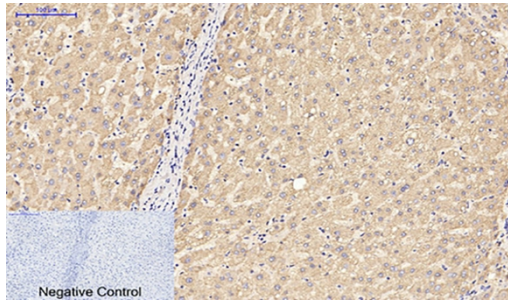


Fig.2. Immunohistochemical analysis of paraffin-embedded human liver tissue. 1, GFAP Monoclonal Antibody was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20min). 3, secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.

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