

## GFAP Mouse Monoclonal Antibody

### Catalog #: EAB10257

| Host/Isotype | Clonality  | Applications      | MW (kDa) | Reactivity        |
|--------------|------------|-------------------|----------|-------------------|
| Mouse IgG1   | Monoclonal | WB, IHC-P, IF/ICC | 50       | Human, Mouse, Rat |

### Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

|  |             |
|--|-------------|
| <b>WB</b> (Western Blotting)                           | 1:1000-5000 |
| <b>IHC-P</b> (Immunohistochemistry-Paraffin)           | 1:50-300    |
| <b>IF/ICC</b> (Immunofluorescence/Immunocytochemistry) | 1:50-300    |

### Product Information

|                       |  |
|-----------------------|--|
| <b>Conjugate</b>      | Unconjugate  |
| <b>Specificity</b>    | GFAP Mouse Monoclonal Antibody detects endogenous levels of GFAP protein.  |
| <b>Purification</b>   | Affinity purification  |
| <b>Concentration</b>  | 1mg/ml   |
| <b>Format</b>         | Liquid   |
| <b>Formulation</b>    | In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol   |
| <b>Shipping</b>       | Gel Pack   |
| <b>Storage</b>        | Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks |
| <b>UniProt ID</b>     | <a href="#">P14136</a>   |
| <b>Entrez-Gene Id</b> | <a href="#">2670</a>   |

### Product Description

GFAP(Glial fibrillary acidic protein), is an intermediate filament (IF) protein belonging to the type III subclass of IF proteins. Like other IF proteins, GFAP is composed of an amino-terminal head domain, a central rod domain and a carboxy-terminal tail domain. GFAP is specifically found in astroglia, a cell type which is highly responsive to neurologic insults. Astrogliosis is found to be a result of mechanical trauma, AIDS dementia, prion infection and inflammatory demyelination diseases, and is accompanied by an increase in GFAP expression. GFAP is an immunohistochemical marker for localizing benign astrocyte and neoplastic cells of glial origin in the central nervous system.

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