GFAP Monoclonal Antibody

**Catalog No.** A10873

**Category** Monoclonal Antibodies

**Applications** WB, IHC, IF, IP

**Observed MW** 52kDa

**Cross-reactivity** Human, Mouse, Rat

**Calculated MW** 49kDa/50kDa

### Immunogen Information

**Immunogen** Recombinant protein of human GFAP

**Gene ID** 2670

**Swiss prot** P14136

**Synonyms** GFAP; ALXDRD; glial fibrillary acidic protein

### Product Information

**Source** Rabbit

**Isotype** IgG

**Purification method** Affinity purification

**Storage** Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

### Background

This gene encodes 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 this gene cause Alexander disease, a rare disorder of astrocytes in the central nervous system. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

### Recommended Dilutions

<table>
<thead>
<tr>
<th>Technique</th>
<th>Dilution</th>
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<tbody>
<tr>
<td>WB</td>
<td>1:10000 - 1:50000</td>
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<tr>
<td>IHC</td>
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<tr>
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<td>1:50 - 1:200</td>
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<tr>
<td>IP</td>
<td>1:20 - 1:50</td>
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