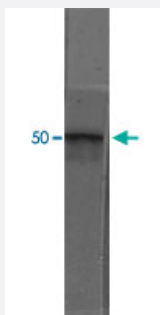


# GFAP monoclonal antibody, clone 5C10

Catalog # MAB5384

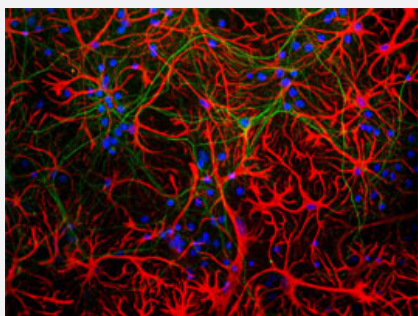
Size 100 uL

## Applications



### Western Blot (Tissue lysate)

Western blot of rat spinal cord extracts stained with GFAP monoclonal antibody, clone 5C10 (Cat # MAB5384). A prominent band at about 50 kDa corresponds to the major isoform of GFAP.



### Immunofluorescence

Mixed neuron-glia cultures stained with GFAP monoclonal antibody, clone 5C10 (Cat # MAB5384), our monoclonal antibody to GFAP (red) and chicken polyclonal antibody to neurofilament NF-L (green).

The GFAP antibody stains the network of astrocytes in these cultures, while the NF-L antibody stains neurons and their processes. The blue channel shows the localization of DNA.

## Specification

**Product Description** Mouse monoclonal antibody raised against GFAP.

**Immunogen** Purified porcine spinal cord GFAP.

**Host** Mouse

**Theoretical MW (kDa)** 50

**Reactivity** Mammals, Pig

**Form** Liquid

**Isotype** IgG1

|                            |   |
|----------------------------|---|
| <b>Recommend Usage</b>     | Immunocytochemistry (1:1000)<br>Immunofluorescence (1:1000)<br>Immunohistochemistry (1:1000)<br>Western Blot (1:5000)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In PBS (50% glycerol, 5 mM sodium azide).   |
| <b>Storage Instruction</b> | Store at 4°C for short term. For long term storage, store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.  |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.  |

## Applications

- Western Blot (Tissue lysate)

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- Immunohistochemistry

- Immunofluorescence

Mixed neuron-glia cultures stained with GFAP monoclonal antibody, clone 5C10 (Cat # MAB5384), our monoclonal antibody to GFAP (red) and chicken polyclonal antibody to neurofilament NF-L (green).

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## Gene Info — GFAP

|                           |                                 |
|---------------------------|---------------------------------|
| <b>Entrez GeneID</b>      | <a href="#">396562</a>          |
| <b>Gene Name</b>          | GFAP                            |
| <b>Gene Alias</b>         | -                               |
| <b>Gene Description</b>   | glial fibrillary acidic protein |
| <b>Gene Ontology</b>      | <a href="#">Hyperlink</a>       |
| <b>Other Designations</b> | -                               |

## Publication Reference

- [Mutations in GFAP, encoding glial fibrillary acidic protein, are associated with Alexander disease.](#)

Brenner M, Johnson AB, Boespflug-Tanguy O, Rodriguez D, Goldman JE, Messing A.

Nature Genetics 2001 Jan; 27(1):117.

- [Localization of the glial fibrillary acidic protein in astrocytes by immunofluorescence.](#)

Bignami A, Eng LF, Dahl D, Uyeda CT.

Brain Research 1972 Aug; 43(2):429.