

# GFAP Rabbit mAb

Catalog No: #48610



Package Size: #48610-1 50ul #48610-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)

Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

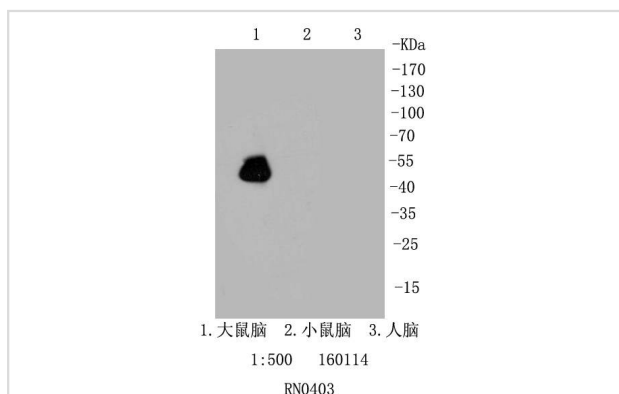
## Description

|                       |   |
|-----------------------|---|
| Product Name          | GFAP Rabbit mAb   |
| Host Species          | Recombinant Rabbit  |
| Clonality             | Monoclonal antibody   |
| Clone No.             | SA03-04   |
| Purification          | ProA affinity purified  |
| Applications          | WB;IHC;ICC/IF;IP  |
| Species Reactivity    | Human;Mouse;Rat   |
| Immunogen Description | recombinant protein   |
| Conjugates            | Unconjugated  |
| Other Names           | wu:fb34h11 antibody ALXDRD antibody cb345 antibody etID36982.3 antibody FLJ42474 antibody FLJ45472 antibody GFAP antibody GFAP_HUMAN antibody gfapI antibody Glial fibrillary acidic protein antibody Intermediate filament protein antibody wu:fk42c12 antibody xx:af506734 antibody zgc:110485 antibody |
| Accession No.         | Swiss-Prot#:P14136  |
| Calculated MW         | 50 kDa  |
| Formulation           | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.  |
| Storage               | Store at -20°C  |

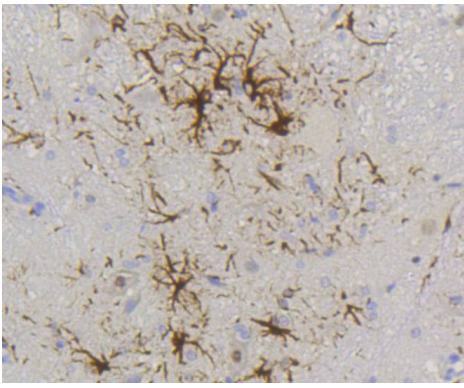
## Application Details

WB 1:1000-1:5000 IHC 1:100-1:200 ICC/IF 1:50-1:200 IP 1:20-1:50

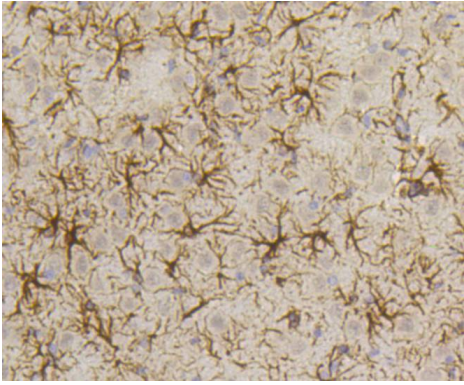
## Images



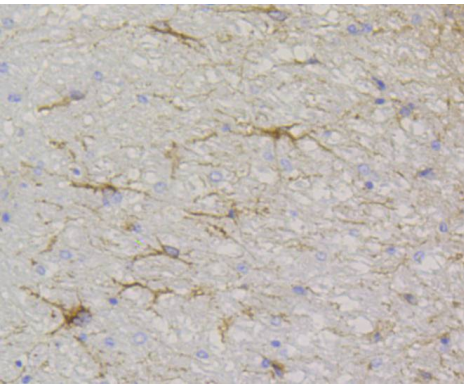
Western blot analysis of GFAP on rat brain lysates using anti-GFAP antibody at 1/1,000 dilution.



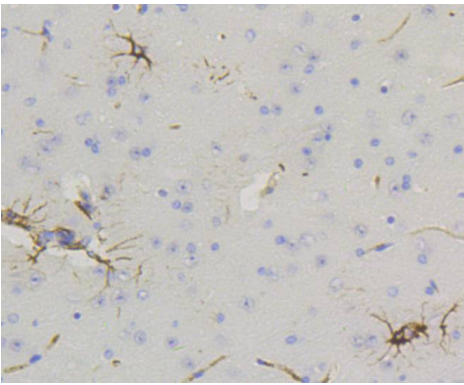
Immunohistochemical analysis of paraffin-embedded rat spinal cord tissue using anti-GFAP antibody. Counter stained with hematoxylin.



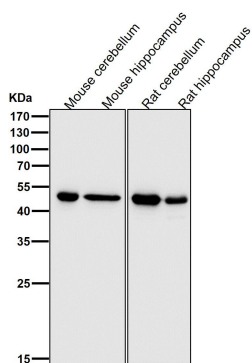
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-GFAP antibody. Counter stained with hematoxylin.



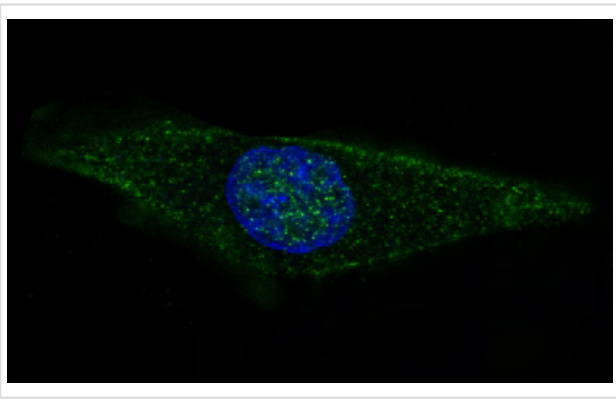
Immunohistochemical analysis of paraffin-embedded mouse spinal cord tissue using anti-GFAP antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-GFAP antibody. Counter stained with hematoxylin.



All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



Immunofluorescent analysis of SH-SY5Y cells, using GFAP Antibody

## Background

GFAP, a class-III intermediate filament, is a cell-specific marker that, during the development of the central nervous system, distinguishes astrocytes from other glial cells. In particular, vimentin filaments are present at early developmental stages, while GFAP filaments are characteristic of differentiated and mature brain astrocytes. In addition, GFAP intermediate filaments are also present in nonmyelin-forming Schwann cells in the peripheral nervous system.

## References

1. Zhang N et al. A self-assembly peptide nanofibrous scaffold reduces inflammatory response and promotes functional recovery in a mouse model of intracerebral hemorrhage. *Nanomedicine* N/A:N/A (2016).
2. Green AL et al. Preclinical antitumor efficacy of selective exportin 1 inhibitors in glioblastoma. *Neuro Oncol* 17:697-707 (2015).

## Published Papers

Lin Ruohong, Zhou Zhiwei, Jiang Yizhou, Liu Song, Xie Jinfeng, Wang Haitao, Ulrich Henning, Zheng Wenhua et al., Artemisinin exerts antidepressant-like effects via activation of AKT and ERK signaling pathways, *Frontiers in pharmacology*, (2025)

[PMID:41181594](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.