

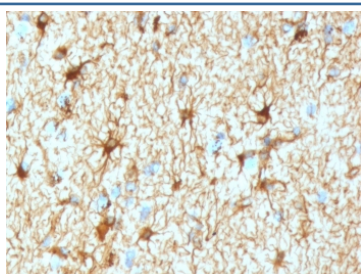
## Recombinant GFAP Antibody / Rabbit Monoclonal [clone GFA12-4R] (V3705)

| Catalog No.    | Formulation                                                                                     | Size   |
|----------------|-------------------------------------------------------------------------------------------------|--------|
| V3705-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 100 ug |
| V3705-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 20 ug  |
| V3705SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                                                  | 100 ug |
| V3705IHC-7ML   | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml   |

Recombinant **RABBIT MONOCLONAL**

[Bulk quote request](#)

|                    |                                                                                                                                                             |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Availability       | 1-3 business days                                                                                                                                           |
| Species Reactivity | Human. Other species not tested.                                                                                                                            |
| Format             | Purified                                                                                                                                                    |
| Clonality          | Recombinant Rabbit Monoclonal                                                                                                                               |
| Isotype            | Rabbit IgG, kappa                                                                                                                                           |
| Clone Name         | GFA12-4R                                                                                                                                                    |
| Purity             | Protein A affinity chromatography                                                                                                                           |
| UniProt            | P14136                                                                                                                                                      |
| Localization       | Cytoplasmic                                                                                                                                                 |
| Applications       | Immunofluorescence : 1-2ug/ml<br>Immunohistochemistry (FFPE) : 0.25-0.5ug/ml for 30 min at RT<br>Prediluted IHC Only Format : incubate for 30 min at RT (1) |
| Limitations        | This recombinant GFAP antibody is available for research use only.                                                                                          |



IHC testing of FFPE human cerebellum tissue with recombinant GFAP antibody (clone GFA12-4R). Required HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.

## Description

Glial fibrillary acidic protein is 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. [RefSeq]

## Application Notes

The stated application concentrations are suggested starting points. Titration of the recombinant GFAP antibody may be required due to differences in protocols and secondary/substrate sensitivity.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Pig spinal cord GFAP was used as the immunogen for this recombinant GFAP antibody.

## Storage

Store the recombinant GFAP antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).