

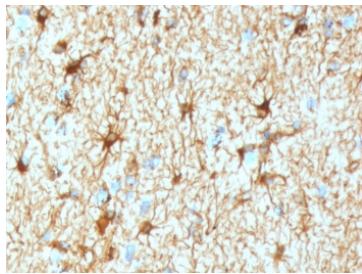
## Recombinant GFAP Antibody / Rabbit Monoclonal [clone GFA12-4R] (V3705)

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**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human. Other species not tested.
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Recombinant Rabbit Monoclonal
<b>Isotype</b>	Rabbit IgG, kappa
<b>Clone Name</b>	GFA12-4R
<b>Purity</b>	Protein A affinity chromatography
<b>UniProt</b>	P14136
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 0.25-0.5ug/ml for 30 min at RT Prediluted IHC Only Format : incubate for 30 min at RT (1)
<b>Limitations</b>	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 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).