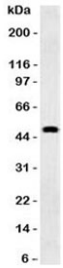
GFAP Antibody [clone GFA12-3] (V7009)

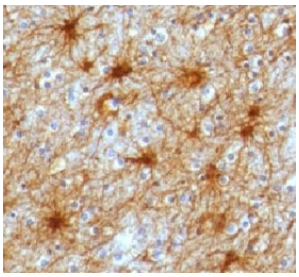
Catalog No.	Formulation	Size
V7009-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7009-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7009SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7009IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	GFA12-3
Purity	Protein G affinity chromatography
Gene ID	2670
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Prediluted IHC Only Format : incubate for 30 min at RT (1)
Limitations	This GFAP antibody is available for research use only.



Western blot testing of human brain and GFAP antibody (clone GFA12-3). Predicted molecular weight ~50 kDa.



IHC testing of FFPE human brain and GFAP antibody (clone GFA12-3). FFPE testing requires sections to be boiled in pH 9 10mM Tris with 1mM EDTA for 10-20 minutes, followed by cooling at RT for 20 minutes, prior to staining.

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

Titering of the GFAP antibody may be required for optimal performance.

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

Native Glial fibrillary acidic protein was used as the immunogen for this GFAP antibody.

Storage

Store the GFAP antibody at 2-8oC.