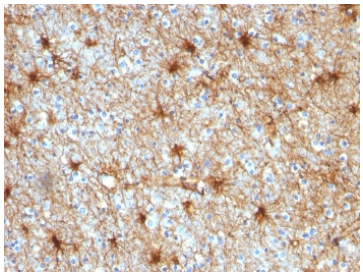
GFAP Antibody [clone GA-5] (V2129)

Catalog No.	Formulation	Size
V2129-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2129-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2129SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2129IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

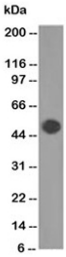
Citations (11)

Bulk quote request

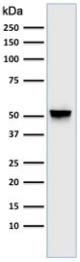
Species Reactivity	Human, Mouse, Rat
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	GA-5
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	2670
Localization	Cytoplasmic
Applications	Flow Cytometry : 1-2ug/million Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This **GFAP antibody** is available for research use only.



IHC staining of FFPE human cerebellum with GFAP antibody (clone GA-5).



Western blot testing of human brain lysate GFAP antibody (clone GA-5). Predicted molecular weight ~50 kDa.



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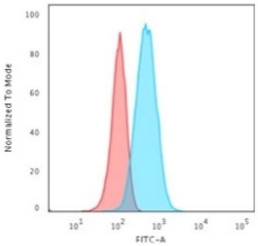
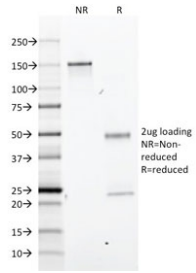


Flow cytometry testing of permeabilized human T98G cells with GFAP antibody (clone GA-5); Red=isotype control, Blue= GFAP antibody.



SDS-PAGE analysis of purified, BSA-free GFAP antibody (clone GA-5) as confirmation of integrity and purity.

Description

This antibody recognizes a protein of ~50kDa which is identified as Glial Fibrillary Acidic Protein. The mAb shows no cross-reaction with other intermediate filament proteins. GFAP is specifically found in astroglia. It is a very popular marker for localizing benign astrocyte and neoplastic cells of glial origin in the central nervous system. GFAP antibody is useful in differentiating primary gliomas from metastatic lesions in the brain and for documenting astrocytic differentiation in tumors outside the CNS.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the GFAP antibody to be titered up or down for optimal performance.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.
2. 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

GFAP isolated from pig spinal cord was used as the immunogen.

Storage

Store the GFAP antibody at 2-8oC.

Alternate Names

Astrocyte or Intermediate Filament Protein, Glial Fibrillary Acidic Protein, GFAP antibody

References (3)