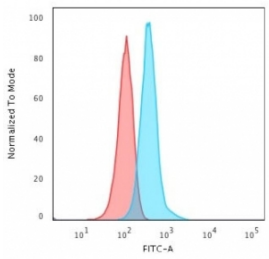
Glial Fibrillary Acidic Protein Antibody / GFAP [clone GFAP/2076] (V3865)

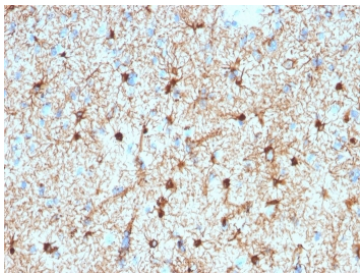
Catalog No.	Formulation	Size
V3865-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3865-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3865SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

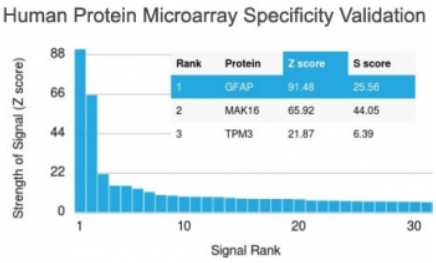
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	GFAP/2076
Purity	Protein G affinity chromatography
UniProt	P14136
Localization	Cytoplasmic
Applications	Flow Cytometry : 1-2ug/10^6 cells Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Western Blot : 2-4ug/ml
Limitations	This Glial Fibrillary Acidic Protein antibody is available for research use only.



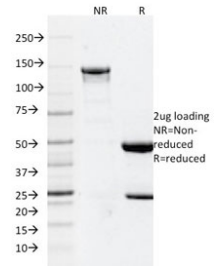
Flow cytometry testing of fixed human T98G cells with Glial Fibrillary Acidic Protein antibody (clone GFAP/2076); Red=isotype control, Blue= Glial Fibrillary Acidic Protein antibody.



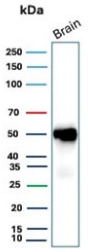
IHC testing of FFPE human cerebellum stained with Glial Fibrillary Acidic Protein antibody (GFAP/2076). Required HIER: boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Glial Fibrillary Acidic Protein antibody (clone GFAP/2076). These results demonstrate the foremost specificity of the GFAP/2076 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free Glial Fibrillary Acidic Protein antibody (clone GFAP/2076) as confirmation of integrity and purity.



Western blot testing of human brain tissue with Glial Fibrillary Acidic Protein antibody. Predicted molecular weight ~50 kDa.

Description

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

Application Notes

Optimal dilution of the Glial Fibrillary Acidic Protein antibody should be determined by the researcher.

Immunogen

A portion of amino acids 101-200 were used as the immunogen for the Glial Fibrillary Acidic Protein antibody.

Storage

Store the Glial Fibrillary Acidic Protein antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without

azide).

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