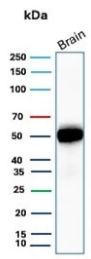
Recombinant GFAP Antibody / Glial Fibrillary Acidic Protein [clone rGFAP/8685] (V4522)

Catalog No.	Formulation	Size
V4522-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4522-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4522SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

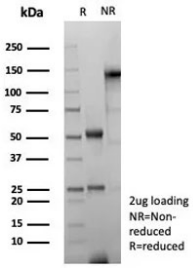
Recombinant | MOUSE MONOCLONAL

Bulk quote request

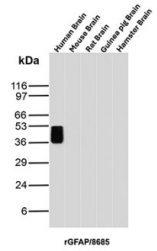
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rGFAP/8685
Purity	Protein A/G affinity
UniProt	P14136
Localization	Cytoplasm
Applications	Western Blot : 2-4ug/ml
Limitations	This recombinant GFAP antibody is available for research use only.



Western blot testing of human brain tissue with GFAP antibody. Predicted molecular weight ~50 kDa.



SDS-PAGE analysis of purified, BSA-free recombinant GFAP antibody (clone rGFAP/8685) as confirmation of integrity and purity.



Recombinant GFAP Antibody Brain Tissue WB. Western blot analysis of human brain, mouse brain, rat brain, guinea pig brain, and hamster brain tissue lysates using recombinant GFAP Antibody clone rGFAP/8685. A strong band is detected at approximately 50 kDa in human brain lysate, consistent with the predicted molecular weight of Glial fibrillary acidic protein / GFAP, a major astrocytic intermediate filament protein involved in maintenance of neural cytoskeletal organization and central nervous system structural integrity. Subtle lower molecular weight bands forming a faint stacked pattern beneath the primary signal likely represent GFAP isoforms and/or partial proteolytic processing products commonly observed in brain-derived tissue lysates.

Description

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 recombinant GFAP antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 150-350) from the human protein was used as the immunogen for the recombinant GFAP antibody.

Storage

Aliquot the recombinant GFAP antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.