

Product Datasheet

GFAP Antibody / Glial Fibrillary Acidic Protein (orb1151443)

Description	Mouse monoclonal antibody to GFAP
Species/Host	Mouse
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	IHC-P
Immunogen	Recombinant full-length human GFAP protein was used as the immunogen for the Glial Fibrillary Acidic Protein antibody.
Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin (US sourced), 0.05% sodium azide
Storage	Aliquot the Glial Fibrillary Acidic Protein antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.
Note	For research use only
Application notes	Optimal dilution of the Glial Fibrillary Acidic Protein antibody should be determined by the researcher.
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide
Isotype	Mouse IgG2b, kappa
Clonality	Monoclonal
Clone Number	GFAP/4450
Antibody Type	Primary Antibody
Purity	Protein A/G affinity

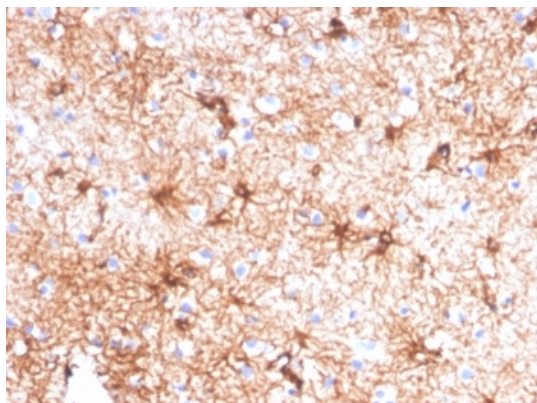
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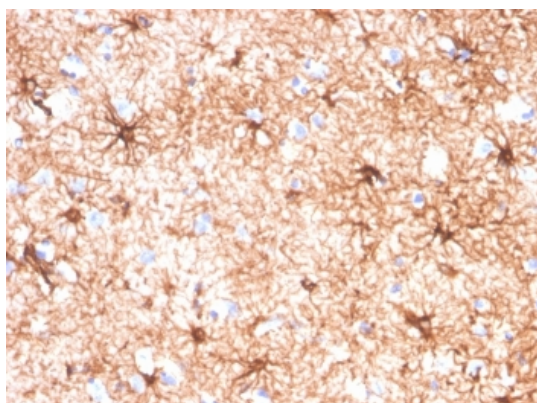
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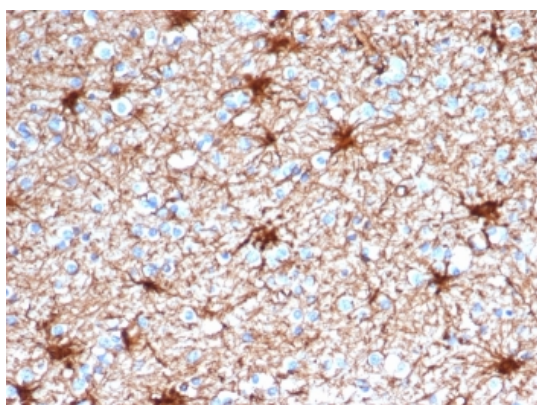
Uniprot ID	P14136
Hazard Information	This Glial Fibrillary Acidic Protein antibody is available for research use only.
Dilution Range	Immunohistochemistry (FFPE): 1-2ug/ml
Expiration Date	12 months from date of receipt.



IHC staining of FFPE human cerebellum tissue with Glial Fibrillary Acidic Protein antibody (clone GFAP/4450). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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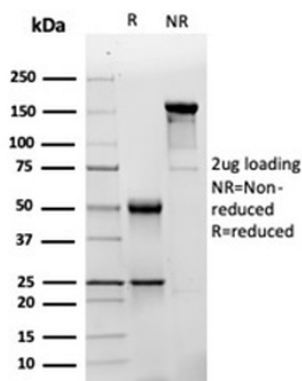
IHC staining of FFPE human cerebellum tissue with Glial Fibrillary Acidic Protein antibody (clone GFAP/4450). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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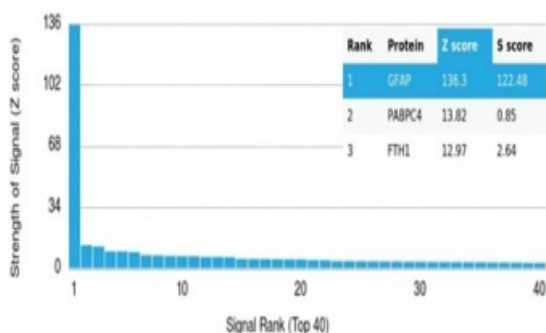
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SDS-PAGE analysis of purified, BSA-free Glial Fibrillary Acidic Protein antibody (clone GFAP/4450) as confirmation of integrity and purity.

Human Protein Microarray Specificity Validation



Analysis of HuProt (TM) microarray containing more than 19000 full-length human proteins using Glial Fibrillary Acidic Protein antibody (clone GFAP/4450). These results demonstrate the foremost specificity of the GFAP/4450 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.

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