

Product Datasheet

GFAP Antibody / Glial Fibrillary Acidic Protein (orb1825010)

Catalog Number	orb1825010
Category	Antibodies
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.
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human
Immunogen	A recombinant partial protein sequence (within amino acids 150-250) from the human protein was used as the immunogen for the GFAP antibody.
UniProt ID	P14136
Tested applications	IHC-P, WB
Dilution range	Western blot: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT
Antibody Type	Primary Antibody
Clone Number	GFAP/6886

Biorbyt Ltd.

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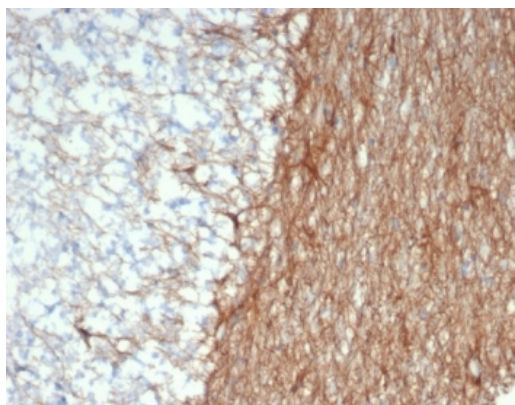
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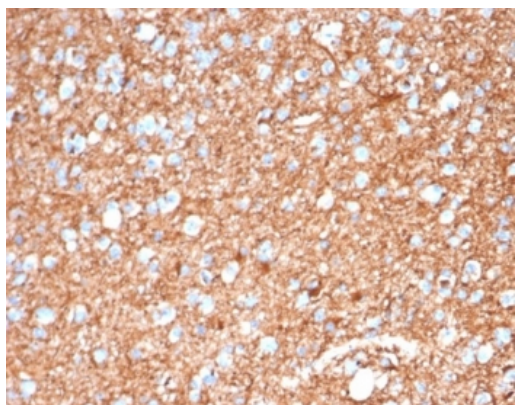
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Formula	1 mg/ml in 1X PBS; BSA free, sodium azide free
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only



IHC staining of FFPE human brain tissue with GFAP antibody (clone GFAP/6886). HIER: boil tissue sections in pH9 10 mM Tris with 1 mM EDTA for 20 min and allow to cool before testing.



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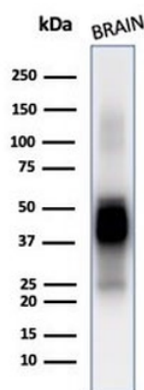
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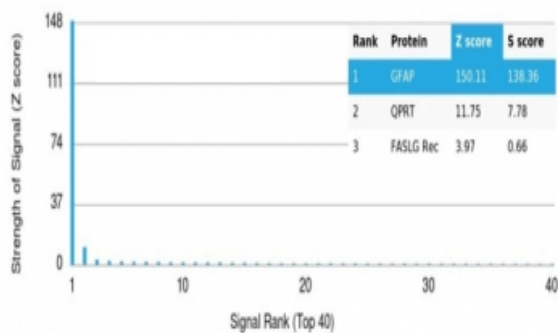
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Western blot testing of human brain tissue lysate with GFAP antibody (clone GFAP/6886).



Analysis of a HuProt (TM) microarray containing more than 19000 full-length human proteins using GFAP antibody (GFAP/6886). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (in combination with a fluorescently-tagged anti-IgG secondary antibody) 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 targets on 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-score. S-score therefore represents the relative target specificity of a mAb to its intended target. A mAb is considered to specific to its intended target, if the mAb has an S-score of at least 2.5. For example, if a mAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that mAb to protein X is equal to 29.

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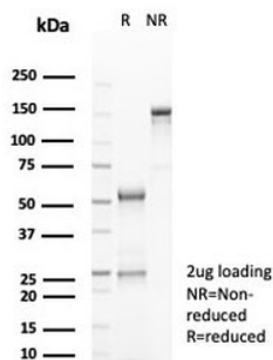
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SDS-PAGE analysis of purified, BSA-free GFAP antibody (clone GFAP/6886) as confirmation of integrity and purity.

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