

Product Datasheet

GFAP Antibody (SPM248) - Azide and BSA Free NBP2-34401-0.1mg

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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NBP2-34401-0.1mg

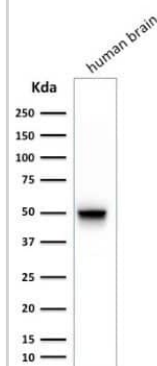
GFAP Antibody (SPM248) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SPM248
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	50 kDa
Product Description	
Description	<p>1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-34353).</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.</p>
Host	Mouse
Gene ID	2670
Gene Symbol	GFAP
Species	Human, Mouse, Rat, Porcine, Bovine, Chicken, Rabbit
Marker	Astrocyte & Neural Stem Cell Marker
Specificity/Sensitivity	This monoclonal antibody 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.
Immunogen	GFAP isolated from pig spinal cord (Uniprot: P14136)
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot 0.5 - 1 ug/mL, Flow Cytometry 0.5 - 1 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/mL, Immunohistochemistry-Paraffin 0.5 - 1 ug/mL, CyTOF-ready
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2 ug/mL for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

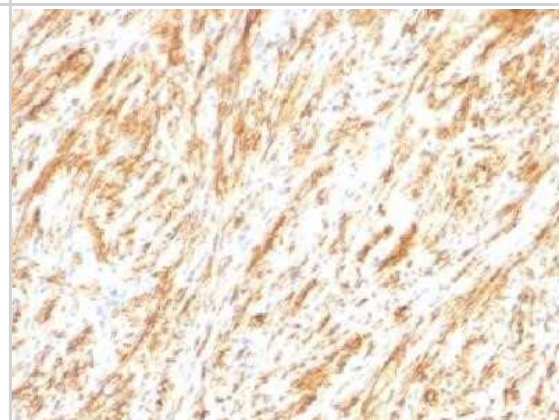


Images

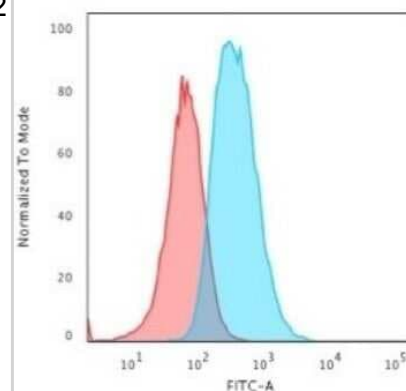
Western Blot: GFAP Antibody (SPM248) - Azide and BSA Free [NBP2-34401] - Western Blot Analysis of human brain tissue lysate using GFAP Antibody (SPM248).



Immunohistochemistry-Paraffin: GFAP Antibody (SPM248) - Azide and BSA Free [NBP2-34401] - Formalin-fixed, paraffin-embedded human Schwannoma stained with GFAP monoclonal antibody (SPM248)



Flow Cytometry: GFAP Antibody (SPM248) - Azide and BSA Free [NBP2-34401] - Flow Cytometric Analysis of T98G cells using GFAP Antibody (SPM248) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Publications

Raj N, McEachin ZT, Harousseau W et al. Cell-type-specific profiling of human cellular models of fragile X syndrome reveal PI3K-dependent defects in translation and neurogenesis Cell Rep 2021-04-14 [PMID: 33852833]

Details:

Citation using the Azide and BSA Free format of this antibody.

Coleman LG, Zou J, Crews FT Microglial-derived miRNA let-7 and HMGB1 contribute to ethanol-induced neurotoxicity via TLR7 J Neuroinflammation Jan 25 2017 12:00AM [PMID: 28118842] (FLOW, ELISA, Human) J Neuroinflammation. 2017-01-25 [PMID: 28118842]

Details:

Citation using the Alexa Fluor 488 form of this antibody.



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Products Related to NBP2-34401-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-34401AF405	GFAP Antibody (SPM248) [Alexa Fluor® 405]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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