

# Product Datasheet

## GFAP Antibody (SPM507) - Azide and BSA Free **NBP2-34413-0.1mg**

Unit Size: 0.1 mg

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

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**NBP2-34413-0.1mg**

GFAP Antibody (SPM507) - Azide and BSA Free

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at -20 to -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	SPM507
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	10 mM PBS
<b>Target Molecular Weight</b>	50 kDa

**Product Description**

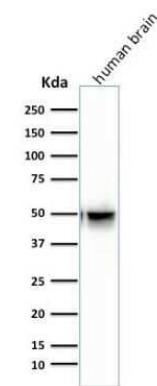
<b>Description</b>	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-34365).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
<b>Host</b>	Mouse
<b>Gene ID</b>	2670
<b>Gene Symbol</b>	GFAP
<b>Species</b>	Human, Mouse, Rat, Porcine, Bovine, Chicken, Rabbit
<b>Marker</b>	Astrocyte & Neural Stem Cell Marker
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	GFAP isolated from pig spinal cord (Uniprot: P14136)

**Product Application Details**

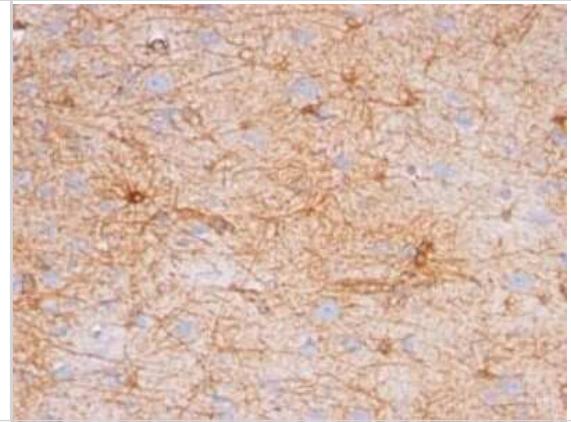
<b>Applications</b>	Western Blot, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 0.5 - 1 ug/mL, Flow Cytometry 0.5 - 1 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/mL, Immunohistochemistry-Paraffin 0.5 - 1 ug/mL, Flow (Intracellular), CyTOF-ready
<b>Application Notes</b>	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 1 mM 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 (SPM507) - Azide and BSA Free [NBP2-34413] - Western Blot Analysis of human Brain tissue lysate using GFAP Antibody (SPM507).



Immunohistochemistry-Paraffin: GFAP Antibody (SPM507) - Azide and BSA Free [NBP2-34413] - Formalin-paraffin human brain stained with GFAP Ab (SPM507). Note cytoplasmic staining.





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## Products Related to NBP2-34413-0.1mg

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)
H00002670-P01-2ug	Recombinant Human GFAP GST (N-Term) Protein

## 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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