

# Product Datasheet

## GFAP Antibody (GF5) NB120-10062

Unit Size: 0.2 mg

Store at 4C. Do not freeze.

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**NB120-10062**

GFAP Antibody (GF5)

Product Information	
<b>Unit Size</b>	0.2 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	GF5
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG2b
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS (pH 7.4)
<b>Target Molecular Weight</b>	50 kDa

Product Description	
<b>Host</b>	Mouse
<b>Gene ID</b>	2670
<b>Gene Symbol</b>	GFAP
<b>Species</b>	Human, Mouse, Rat, Monkey
<b>Reactivity Notes</b>	Mouse, Rat and Monkey reactivity reported in scientific literature (Mortazavi F et al).
<b>Marker</b>	Astrocyte Marker
<b>Immunogen</b>	Hybridoma clone has been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with native human GFAP.

Product Application Details	
<b>Applications</b>	ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Flow Cytometry, ELISA 1:100 - 1:2000, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence 1:10 - 1:500, Immunohistochemistry-Paraffin 1:10 - 1:500
<b>Application Notes</b>	Use in Flow reported in scientific literature (PMID: 33728539). Detects a band of approximately 43-45 kDa corresponding to GFAP in human brain and spinal cord extract.

**Publications**

Mortazavi F, Stankiewicz A, Zhdanova I Looking through Brains with Fast Passive CLARITY: Zebrafish, Rodents, Non-human Primates and Humans Bio Protoc 2021-03-03 [PMID: 33654828]

Mannino G, Cristaldi M, Giurdanella G et al. ARPE-19 conditioned medium promotes neural differentiation of adipose-derived mesenchymal stem cells World journal of stem cells 2021-11-26 [PMID: 34909123] (ICC/IF, Human)

Russo C, Mannino G, PatanE M et al. Ghrelin peptide improves glial conditioned medium effects on neuronal differentiation of human adipose mesenchymal stem cells Histochemistry and cell biology 2021-03-16 [PMID: 33728539] (FLOW, ICC/IF, Human)

Fresta Cg, Fidilio A, Caruso G et Al. A New Human Blood-Retinal Barrier Model Based on Endothelial Cells, Pericytes, and Astrocytes Int J Mol Sci 2020-02-27 [PMID: 32121029] (ICC/IF, Human)





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### **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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