

# Product Datasheet

## NF-H Antibody (NF421 + NFL/736) NBP2-45288-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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**NBP2-45288-0.1mg**

NF-H Antibody (NF421 + NFL/736)

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.2 mg/ml
<b>Storage</b>	Store at 4C.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	NF421 + NFL/736
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	10mM PBS and 0.05% BSA

**Product Description**

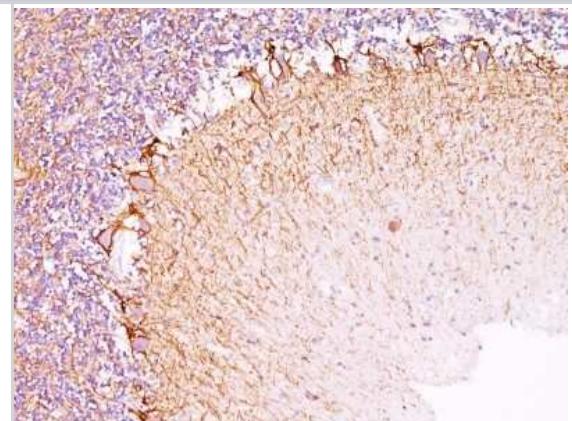
<b>Host</b>	Mouse
<b>Gene ID</b>	4744
<b>Gene Symbol</b>	NEFH
<b>Species</b>	Human, Mouse, Rat, Porcine
<b>Marker</b>	Neuronal Marker
<b>Specificity/Sensitivity</b>	This MAb reacts with a 200kDa and 68kDa protein, identified as heavy and light sub-units of neurofilaments (NF-H & NF-L). Neurofilaments make up the main structural elements of axons and dendrites and are found in neurons, peripheral nerves, and sympathetic ganglion cells. Neurofilaments consist of three major subunits with molecular weights of 68kDa (NF-L), 160kDa (NF-M) and 200kDa (NF-H). Anti-neurofilament stains a number of neural, neuroendocrine, and endocrine tumors. Neuromas, ganglioneuromas, gangliogliomas, ganglioneuroblastomas, and neuroblastomas stain positively for anti-neurofilament. Neurofilaments are also present in paragangliomas as well as adrenal and extra-adrenal pheochromocytomas. Carcinoids, neuroendocrine carcinomas of the skin, and oat cell carcinomas of the lung also express neurofilament.
<b>Immunogen</b>	Recombinant human neurofilament protein

**Product Application Details**

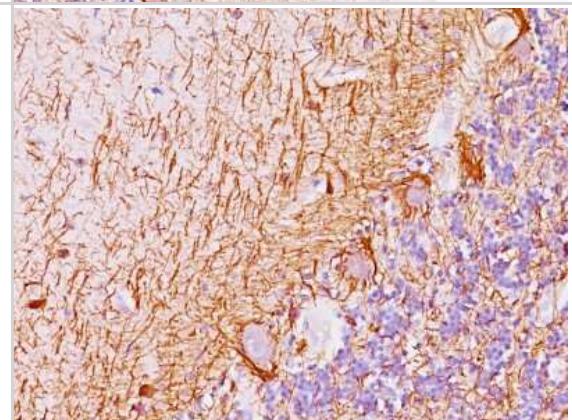
<b>Applications</b>	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence
<b>Recommended Dilutions</b>	Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunohistochemistry, Immunohistochemistry-Paraffin 0.25 - 0.5 ug/ml, Immunofluorescence 1:25 - 1:50
<b>Application Notes</b>	Hu-chromosome location: 22q12.2 (NEFH) & 8p21.2 (NEFL) Molecular weight of antigen: 200kDa & 68kDa Immunohistochemistry-Paraffin 0.25 - 0.5 ug/ml for 30 minutes at RT; Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10 - 20 min followed by cooling at RT for 20 minutes. The 7mL size is a pre-diluted size and no additional dilutions are required before using this item for the intended application.

## Images

Immunohistochemistry-Paraffin: NF-H Antibody (NF421 + NFL/736) [NBP2-45288] - Human Cerebellum stained with Neurofilament Monoclonal Antibody (NF421 + NFL/736).



Immunohistochemistry-Paraffin: NF-H Antibody (NF421 + NFL/736) [NBP2-45288] - Human Cerebellum stained with Neurofilament Monoclonal Antibody (NF421 + NFL/736).





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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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