

# Product Datasheet

## NF-H Antibody (SPM563)

### NBP2-34380-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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**NBP2-34380-0.1mg**

NF-H Antibody (SPM563)

| Product Information     |                          |
|-------------------------|--------------------------|
| Unit Size               | 0.1 mg                   |
| Concentration           | 0.2 mg/ml                |
| Storage                 | Store at 4C.             |
| Clonality               | Monoclonal               |
| Clone                   | SPM563                   |
| Preservative            | 0.05% Sodium Azide       |
| Isotype                 | IgG1 Kappa               |
| Purity                  | Protein A or G purified  |
| Buffer                  | 10 mM PBS with 0.05% BSA |
| Target Molecular Weight | 200 kDa                  |

| Product Description     |   |
|-------------------------|---|
| Description             | <p>200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA &amp; 0.05% azide. Also available WITHOUT BSA &amp; azide at 1.0 mg/ml. (NBP2-34427)</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.</p>   |
| Host                    | Mouse   |
| Gene ID                 | 4744  |
| Gene Symbol             | NEFH  |
| Species                 | Human, Mouse, Rat, Porcine, Chicken   |
| Marker                  | Neuronal Marker   |
| Specificity/Sensitivity | <p>This monoclonal antibody reacts with a 200kDa protein, identified as heavy sub-unit of neurofilaments (NF-H). 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.</p> |
| Immunogen               | Human recombinant NF-H protein (Uniprot: P12036)  |

| Product Application Details |   |
|-----------------------------|---|
| Applications                | Western Blot, ELISA, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin   |
| Recommended Dilutions       | Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin 0.5-1ug/ml, Immunohistochemistry-Frozen 1-2 ug/ml |

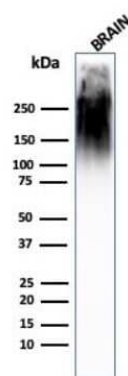


**Application Notes**

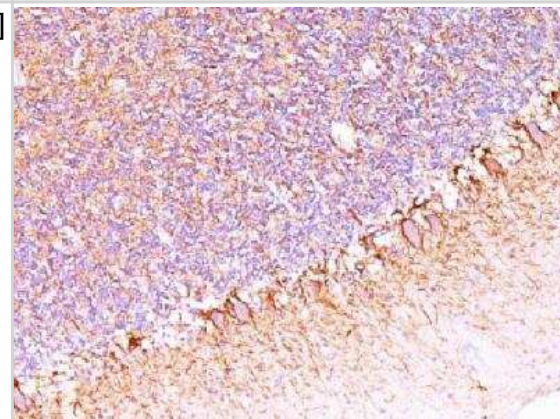
ELISA: For coating, order Ab without BSA.  
 Immunohistochemistry (Frozen & formalin-fixed): 1-2ug/ml for 30 minutes at RT.  
 Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes.  
 Optimal dilution for a specific application should be determined.

**Images**

Western Blot: NF-H Antibody (SPM563) [NBP2-34380] - Western Blot Analysis of human brain tissue lysate using NF-H MAb (SPM563).



Immunohistochemistry-Paraffin: NF-H Antibody (SPM563) [NBP2-34380] - Formalin-fixed, paraffin-embedded human cerebellum stained with Neurofilament Monoclonal Antibody (SPM563)





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### **Products Related to NBP2-34380-0.1mg**

|                    |   |
|--------------------|---|
| 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)           |
| H00004744-Q01-10ug | Recombinant Human NF-H 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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