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36-1508: Monoclonal Antibody to Neurofilament (NF-H) (Neuronal Marker)(Clone: SPM563)

Clonality: Monoclonal Clone Name: SPM563

Application : ELISA,FACS,WB,IHC **Reactivity :** Human, Mouse, Rat

Gene : NEFH
Gene ID : 4744
Uniprot ID : P12036
Format : Purified

Alternative Name: NEFH,KIAA0845,NFH Isotype: Mouse IgG1, kappa

Immunogen Information: Human recombinant neurofilament protein

Description

This MAb 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.

Product Info

Amount : 100 μg

Purification: Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

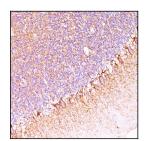
toxic.

Storage condition : Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

ELISA (For coating, order Ab without BSA); Flow Cytometry (1-2ug/million cells); Western Blot (1-2ug/ml); 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 95°C followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Cerebellum stained with Neurofilament Monoclonal Antibody (SPM563).