

12-13001: Neurofilament (H+L) (Neuronal Marker) Antibody (Clone: 2F11)

Clonality :	Monoclonal
Clone Name :	2F11
Application :	IHC, WB
Reactivity :	Rat, Mouse, Human
Gene ID :	4744
Uniprot ID :	P12036
Format :	Purified
Alternative Name :	NEFH; Neurofilament H; Neurofilament Heavy Polypeptide 200kDa; Neurofilament Triplet H Protein; NF-H; NF200. 68kDa neurofilament protein, Light molecular weight neurofilament protein, NEFL, Neurofilament light polypeptide 68kDa, Neurofilament light polypeptide, Neurofilament protein, light chain, Neurofilament subunit NF-L, Neurofilament triplet L protein, NF-L, NF68
Isotype :	IgG1 / Kappa
Immunogen Information :	Human NF-H from isolated brain cells

Description

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.

Product Info

Amount :	100ug
Content :	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Nonhazardous. No MSDS required.

Application Note

Immunohistochemistry (IHC) : Tested Dilution: 1-2ug/ml 30 min 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.

Western Blot (WB) 2-4ug/ml

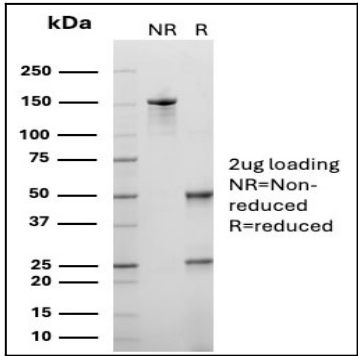


Figure 1: SDS-PAGE Analysis of Purified N/A Mouse Monoclonal Antibody (2F11). Confirmation of Purity and Integrity of Antibody.

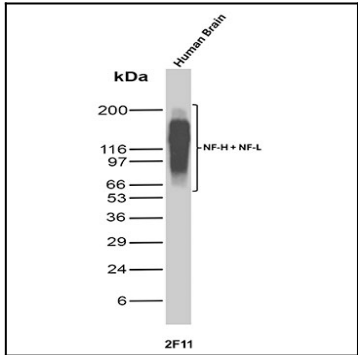


Figure 2: Western Blot Analysis of Human Brain tissue lysate using Neurofilament (H+L) Mouse Monoclonal Antibody (2F11).

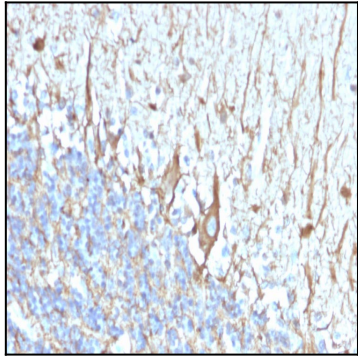


Figure 3