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36-2844: Anti-Neurofilament (NF-H) (Neuronal Marker) Monoclonal Antibody(Clone: NEFL.H/2324R)

Clonality :	Monoclonal
Clone Name :	NEFL.H/2324R
Application :	IHC,FACS,WB
Reactivity :	Human
Gene :	NEFH
Gene ID :	4744
Uniprot ID :	P12036
Alternative Name :	NEFH; Neurofilament H; Neurofilament Heavy Polypeptide 200kDa; Neurofilament Triplet H Protein; NF-H; NF200
Isotype :	Rabbit IgG
Immunogen Information :	Recombinant full-length human NEFH 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 :	20 µg / 100 µg
Content :	200 µg/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. Non-hazardous.

Application Note

Western Blot (1-2ug/ml); Flow Cytometry (1-2ug/million cells);Immunohistochemistry (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);

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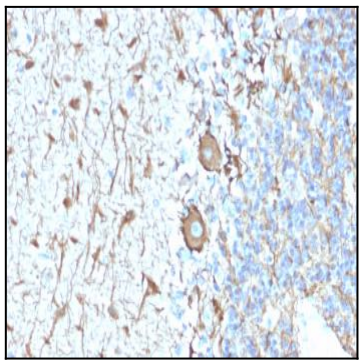

Fig. 1: Formalin-fixed, paraffin-embedded human Cerebellum stained with Neurofilament Rabbit Recombinant Monoclonal Antibody (NEFL.H/2324R).

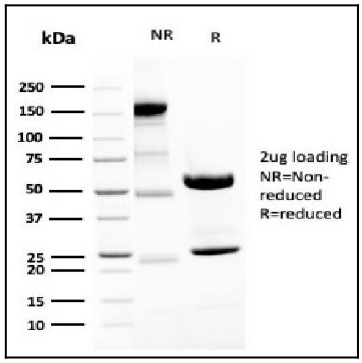

Fig. 2: SDS-PAGE Analysis of Purified Neurofilament Rabbit Recombinant Monoclonal Antibody (NEFL.H/2324R). Confirmation of Purity and Integrity of Antibody.

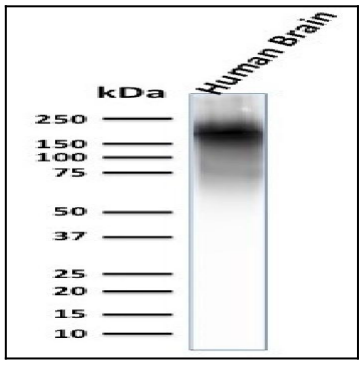

Fig. 3: Western Blot Analysis of human brain lysate using Neurofilament Rabbit Recombinant Monoclonal Ab (NEFL.H/2324R).

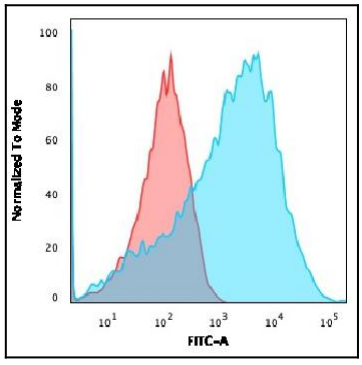

Fig. 4: Flow Cytometric Analysis of HEK293 cells using Neurofilament Rabbit Recombinant Monoclonal Ab (NEFL.H/2324R) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).