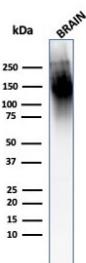


Neurofilament Antibody (Heavy + Light) [clone 2F11] (V8304)

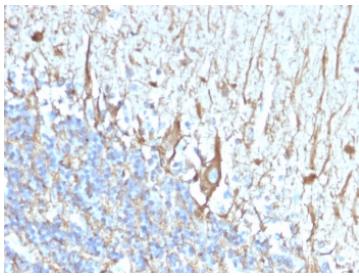
Catalog No.	Formulation	Size
V8304-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8304-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8304SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	2F11
Purity	Protein G affinity chromatography
UniProt	P12036
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This Neurofilament antibody is available for research use only.



Western blot testing of human brain with Neurofilament antibody (clone 2F11).



IHC staining of FFPE human cerebellum with Neurofilament antibody (clone 2F11).
HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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.

Application Notes

Optimal dilution of the Neurofilament antibody should be determined by the researcher.

Immunogen

Human NF-H from isolated brain cells was used as the immunogen for this Neurofilament antibody.

Storage

Store the Neurofilament antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).