

Rabbit Anti-Neurofilament Heavy Chain (NF-H) [MD250R]: RM0142, RM0142RTU7

Intended Use: For Research Use Only

Description: This clone 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.

Specifications:

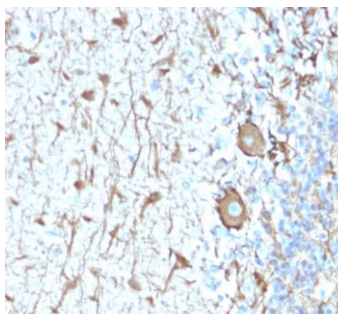
Clone: MD250R
Source: Rabbit
Isotype: IgG
Reactivity: Human, mouse, rat, pig, chicken
Immunogen: Recombinant full-length human NF-H protein
Localization: Cytoplasm
Formulation: Purified antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
Storage: Store at 2°- 8°C
Applications: IHC, Flow Cyt., WB
Package:

Description	Catalog No.	Size
Neurofilament Heavy Chain (NF-H) Concentrated	RM0142	1 ml
Neurofilament Heavy Chain (NF-H) Prediluted	RM0142RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Human brain, paraganglioma
Concentrated Dilution: 50-200
Pretreatment: Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human cerebellum stained with anti-NF-H using DAB

References:

1. Developmentally regulated markers in the postnatal cervical spinal cord of the opossum *Monodelphis domestica*. Breckenridge LJ, et al. *Brain Res Dev Brain Res* 103:47-57, 1997.
2. Cytokeratin and neurofilament in lung carcinomas. van Muijen GN et al. *Am J Pathol* 116:363-9, 1984.