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# Neurofilament (Clone 2F11)

## Mouse Monoclonal Antibody

**Specificity:** Human. Others-not known

**Immunogen:** Human NF-H from isolated brain cells

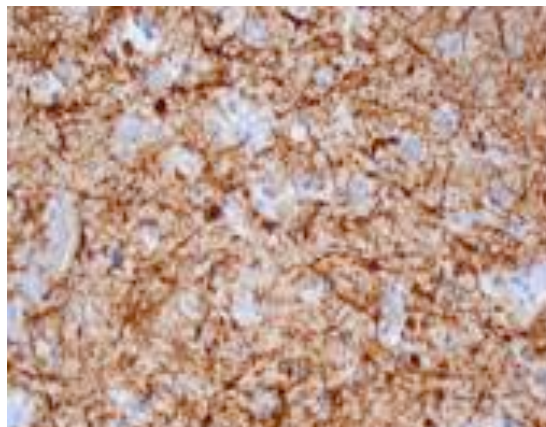
**Ig Class:** IgG1/ $\kappa$

**Storage:** Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

**Staining procedures:** Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:50-200; *Positive Control:* Brain. *Cellular Localization:* Cytoplasmic. *Intended Use:* In vitro diagnosis (IVD).

**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.

**Supplied As:** Purified antibody with 0.2% BSA and 15mM sodium azide.

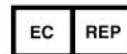


*Formalin-fixed, paraffin-embedded human cerebellum stained with anti-neurofilament antibody using peroxidase-conjugate and DAB chromogen. Note the cytoplasmic staining of neurons and neuronal processes*

**Cat. #Z2091 (1.0 ml)**

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