

Product datasheet for **DM080X**

Neurofilament (NEFL) (+ Neurofilament H) Mouse Monoclonal Antibody [Clone ID: 2F11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2F11
Applications:	IHC, WB
Recommended Dilution:	Western Blot. Immunohistochemistry on Frozen Sections. Immunohistochemistry on Formalin-Fixed, Paraffin-Embedded Sections: 1/50-1/200 Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. Use Polymer anti Mouse/Rabbit IgG as a detection system. <i>Positive Control:</i> Brain.
Reactivity:	Feline, Human, Mouse, Opossum, Rabbit, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Neurofilament purified from Human brain.
Specificity:	2F11 labels neurons, neuronal processes, and peripheral nerves as well as sympathetic ganglion cells and adrenal medulla. Cell body of neurons, containing the non-phosphorylated neurofilament, is weakly stained. Cellular Localization: Cytoplasmic.
Formulation:	State: Supernatant State: Liquid Tissue Culture Supernatant with 0.2% BSA and 15mM Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	neurofilament, light polypeptide
Database Link:	Entrez Gene 18039 Mouse Entrez Gene 83613 Rat Entrez Gene 4747 Human P07196



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Background: Neurofilaments are the intermediate filaments of neurons and their processes. They are protein triplets composed of three major subunits of MW 68kDa, 155kDa, and 200kDa. Neurofilaments are expressed in tumors of neural origin, or displaying neuronal differentiation, such as neuroblastoma, medulloblastoma, and retinoblastoma.

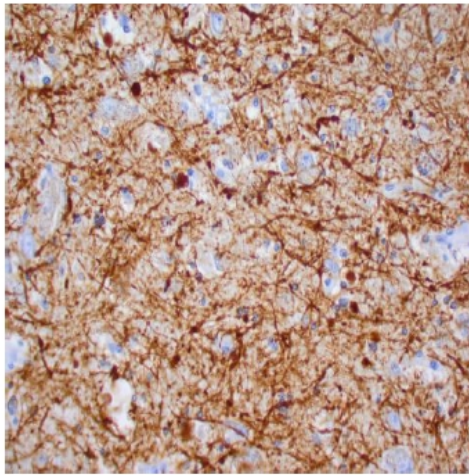
Synonyms: NF-L, NEFL, NF68, 68 kDa neurofilament protein

Note: **Mol. Wt. of Antigen:** 68kDa and 200kDa (phosphorylated forms of these subunits).

Protein Families: Druggable Genome, ES Cell Differentiation/IPS

Protein Pathways: Amyotrophic lateral sclerosis (ALS)

Product images:



Formalin-Fixed, Paraffin-Embedded Human cerebellum stained with Neurofilament antibody Cat.-No. DM080X using peroxidase conjugate and DAB chromogen. Note the cytoplasmic staining of neurons and neuronal processes.