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Product datasheet for AM20649PU-N

Neurofilament (NEFL) Mouse Monoclonal Antibody [Clone ID: NF-68]

Product data:

Product Type:	Primary Antibodies
Clone Name:	NF-68
Applications:	IHC, WB
Recommended Dilution:	Western Blot: 1 - 2 µg/ml. Immunohistochemistry on frozen and paraffin embedded sections: 2 - 4 µg/ml.
Reactivity:	Human, Porcine, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Pig spinal cord.
Specificity:	This antibody reacts to Neurofilament L (68kDa).
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. State: Purified State: Lyphilized purified Ig fraction
Reconstitution Method:	Restore with 1.2% sodium acetate or neutral PBS
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	neurofilament, light polypeptide
Database Link:	Entrez Gene 83613 RatEntrez Gene 4747 Human P07196

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Background: Neurofilaments are composed of 3 neuron-specific proteins with apparent molecular masses of 68 Kd (NFL), 125 kD (NFM) and 200 kD (NFH) on SDS-gel electrophoresis. And they have a role in the maturation of regenerating myelinated axons. Neurofilament 68 (NF68), also called Neurofilament rotein, Light Chain (NFL). It is one of the most abundant cytoskeletal omponents of the neuron.Mutations in this gene were reported as a cause for autosomal dominant Charcot-Marie-Tooth type 2E (CMT2E) linked to chromosome 8p21. NFL was identified repeatedly in both screenings and found to interact with Myotubularin-related 2 gene, MTMR2 in both Schwann cells and neurons.

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

Protein Families: Druggable Genome, ES Cell Differentiation/IPS

Protein Pathways: Amyotrophic lateral sclerosis (ALS)