

NF68 monoclonal antibody, clone NR4

Catalog # MAB1507

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native neurofilament 68.
Immunogen	Native purified pig Neurofilament 68.
Host	Mouse
Theoretical MW (kDa)	68
Reactivity	Human, Pig
Form	Lyophilized
Purification	Affinity purification
Isotype	IgG1
Recommend Usage	Western Blot (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2-4 ug/mL) Immunohistochemistry (Frozen sections) (2-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 1.2% sodium acetate (2 mg BSA, 0.01 mg sodium azide)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 1 mL of 1.2% sodium acetate or neutral PBS and concentration will be 100 ug/mL, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunohistochemistry (Frozen sections)

Publication Reference

- [Myotubularin-related 2 protein phosphatase and neurofilament light chain protein, both mutated in CMT neuropathies, interact in peripheral nerve.](#)

Previtali SC, Zerega B, Sherman DL, Brophy PJ, Dina G, King RH, Salih MM, Feltri L, Quattrini A, Ravazzolo R, Wrabetz L, Monaco AP, Bolino A.

Human Molecular Genetics 2003 Jul; 12(14):1713.

Application: IF, IHC-P, WB-Tr, Human, Monkey, Sural nerve biopsies, COS-7 cells

- [Mutations in the neurofilament light chain gene \(NEFL\) cause early onset severe Charcot-Marie-Tooth disease.](#)

Jordanova A, De Jonghe P, Boerkoel CF, Takashima H, De Vriendt E, Ceuterick C, Martin JJ, Butler IJ, Mancias P, Papasozomenos SCh, Terespolsky D, Potocki L, Brown CW, Shy M, Rita DA, Tournev I, Kremensky I, Lupski JR, Timmerman V.

Brain 2003 Mar; 126(Pt 3):590.

- [Delayed maturation of regenerating myelinated axons in mice lacking neurofilaments.](#)

Zhu Q, Couillard-Despres S, Julien JP.

Experimental Neurology 1997 Nov; 148(1):299.

Application: IF, WB-Ti, Mouse, Mouse nervous tissue samples