

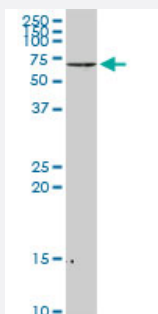
MaxPab®

NEFL purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00004747-D01P

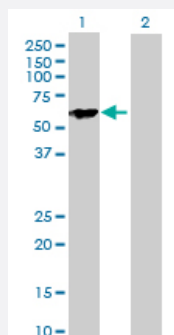
Size 100 ug

Applications



Western Blot (Cell lysate)

NEFL MaxPab rabbit polyclonal antibody. Western Blot analysis of NEFL expression in HeLa S3 NE.

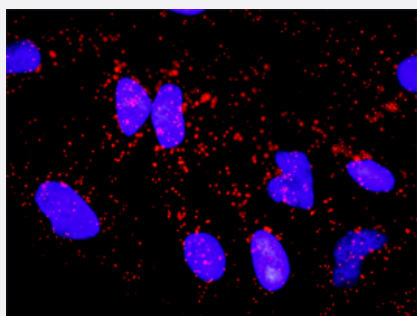


Western Blot (Transfected lysate)

Western Blot analysis of NEFL expression in transfected 293T cell line ([H00004747-T01](#)) by NEFL MaxPab polyclonal antibody.

Lane 1: NEFL transfected lysate(61.50 KDa).

Lane 2: Non-transfected lysate.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between NEFL and APP. HeLa cells were stained with anti-NEFL rabbit purified polyclonal 1:1200 and anti-APP mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human NEFL protein.

Immunogen	NEFL (NP_006149.2, 1 a.a. ~ 543 a.a) full-length human protein.
Sequence	MSSFSYEPYYSTSYKRRYVETPRVHISSVRSGYSTARSAYSSYSAPVSSSLSVRRSYSSSSGSLM PSLENLDLSQVAAISNDLKSIRTQEKAQLQDLNDRFASFIERVHELEQQNKVLEAELLVLRQKHSE PSRFRALYEQEIRDLRLAAEDATNEKQALQGEREGLEETLRNLQARYEEEEVLSREDAEGRLMEAR KGADEAALARAELEKRIDSLMDEISFLKKVHEEEIAELQAQIQYAQISVEMDVTKPDLAALKDIRA QYEKLAAKNMQNAEEWFKSRFTVLTESAAKNTDAVRAAKDEVSESRLLKAKTLEIEACRGMNE ALEKQLQELEDKQNADISAMQDTINKLENELRTTKSEMARYLKEYQDLLNVKMLDIEIAAYRKLE GEETRLSFTSVGSITSGYSQSSQVFGRSAYGGLQTSSYLMSTRSFPSYYTSHVQEEQIEVEETIEA AKAEEAKDEPPSEGEAEKKKEEAEKEEAEKEEAEKEEAEKEEAEKEEAEKEEAEKEEAEKEEAEKEE AEKEEAEKEEAEKEEAEKEEAEKEEAEKEEAEKEEAEKEEAEKEEAEKEEAEKEEAEKEEAEKEEAEKEE
Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

NEFL MaxPab rabbit polyclonal antibody. Western Blot analysis of NEFL expression in Hela S3 NE.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of NEFL expression in transfected 293T cell line ([H00004747-T01](#)) by NEFL MaxPab polyclonal antibody.

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[Protocol Download](#)

- In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between NEFL and APP. HeLa cells were stained with anti-NEFL rabbit purified polyclonal 1:1200 and anti-APP mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — NEFL

Entrez GeneID

[4747](#)

GeneBank Accession#	NM_006158.2
Protein Accession#	NP_006149.2
Gene Name	NEFL
Gene Alias	CMT1F, CMT2E, FLJ53642, NF-L, NF68, NFL
Gene Description	neurofilament, light polypeptide
Omim ID	162280 607684 607734
Gene Ontology	Hyperlink
Gene Summary	Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and they functionally maintain the neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. This gene encodes the light chain neurofilament protein. Mutations in this gene cause Charcot-Marie-Tooth disease types 1F (CMT1F) and 2E (CMT2E), disorders of the peripheral nervous system that are characterized by distinct neuropathies. A pseudogene has been identified on chromosome Y. [provided by RefSeq]
Other Designations	light molecular weight neurofilament protein neurofilament protein, light chain neurofilament subunit NF-L neurofilament triplet L protein neurofilament, light polypeptide 68kDa neurofilament-light

Publication Reference

- [Cytoskeletal proteins in the cerebrospinal fluid as biomarker of multiple sclerosis.](#)

Madeddu R, Farace C, Tolu P, Solinas G, Asara Y, Sotgiu MA, Delogu LG, Prados JC, Sotgiu S, Montella A. Neurological Sciences 2013 Feb; 34(2):181.

Application: Dot, Human, Human cerebrospinal fluid

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)

- [Multiple Sclerosis](#)
- [Parkinson disease](#)