BT LAB
Bioassay Technology Laboratory
Optimize Your Research

NEFL Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3400
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human NEFL expressed in E. Coli.
Mol wt	62kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB,IHC,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	NFL;NF-L;NF68;CMT1F;CMT2E

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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.

Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

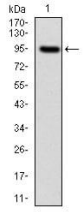
ICC: 1:200 - 1:1000

FCM: 1:200 - 1:400

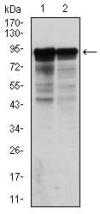
ELISA: 1:10000

Not yet tested in other applications.

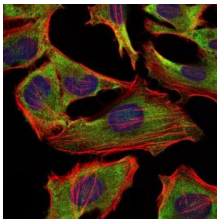
Images



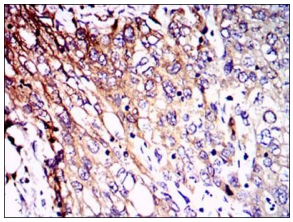
Western blot analysis using NEFL mAb against human NEFL (AA: 422-543) recombinant protein. (Expected MW is 62 kDa)



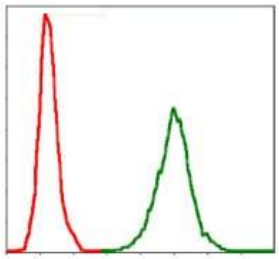
Western blot analysis using NEFL mouse mAb against Hela (1) and Jurkat (2) cell lysate.



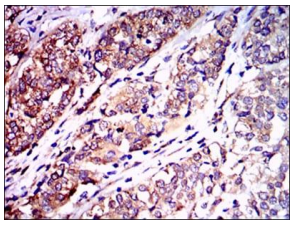
Immunofluorescence analysis of Hela cells using NEFL mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



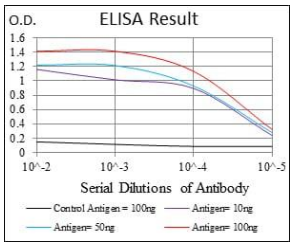
Immunohistochemical analysis of paraffin-embedded lung cancer tissues using NEFL mouse mAb with DAB staining.



Flow cytometric analysis of Jurkat cells using NEFL mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using NEFL mouse mAb with DAB staining.



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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