Product Data Sheet
NEFH Mouse Monoclonal Antibody

Product name:	NEFH Mouse Monoclonal Antibody
Cat number:	MABN82473
Conjugate:	Unconjugated
Size:	100ul
Concentration:	1mg/ml
Host:	Mouse
Isotype:	Mouse IgG1
Immunogen:	Purified recombinant fragment of human NEFH (AA: 2-251) expressed in E. Coli.
Reactivity:	Human
Applications:	IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight:	4kDa
Purification:	Affinity purification
Form:	liquid
Buffer:	Purified antibody in PBS with 0.05% sodium azide
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Synonyms:	NFH; CMT2CC
Source:	Mouse
Background:	Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and functionally maintain neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. This gene encodes the heavy neurofilament protein. This protein is commonly used as a biomarker of neuronal damage and susceptibility to amyotrophic lateral sclerosis (ALS) has been associated with mutations in this gene.

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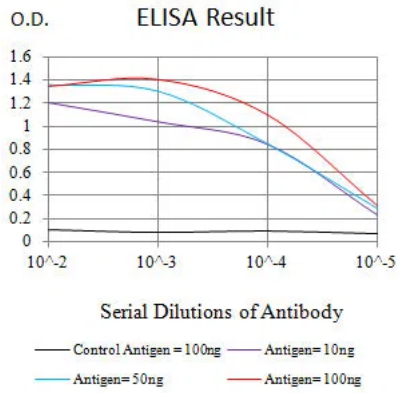
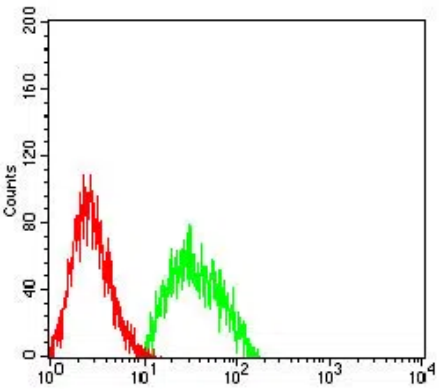
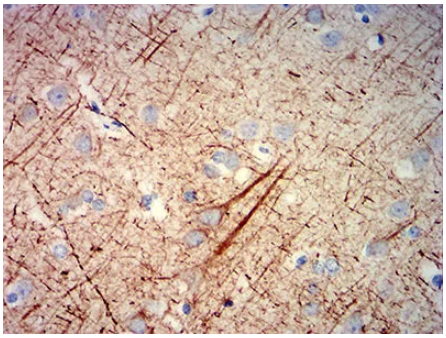


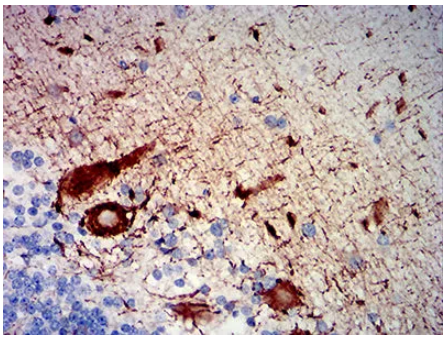
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



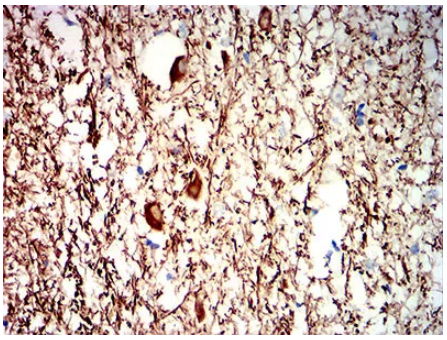
Flow cytometric analysis of SK-N-SH cells using NEFH mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human cerebrum tissues using NEFH mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human cerebellum tissues using NEFH mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human medulla oblongata tissues using NEFH mouse mAb with DAB staining.

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