



[Go to Product page](#)

Datasheet for ABIN7268864
anti-NEFM antibody

2 Images

Overview

Quantity:	100 µL
Target:	NEFM
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This NEFM antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	Neurofilament M Rabbit mAb
Immunogen:	A synthesized peptide derived from human Neurofilament M
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	NEFM
Alternative Name:	NEFM (NEFM Products)
Background:	Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium,

Target Details

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 medium neurofilament protein. This protein is commonly used as a biomarker of neuronal damage. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Oct 2008],NEF3,NF-M,NFM,NEFM,Cell Biology & Developmental Biology,Cell Type Marker,Cell Type Marker_Neuron marker,Cytoskeleton,Cytoskeleton_Intermediate Filaments,Neurodegenerative Diseases,Neuroscience,Signal Transduction,NEFM

Molecular Weight: 160kDa

Gene ID: 4741

UniProt: [P07197](#)

Pathways: [Brown Fat Cell Differentiation](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

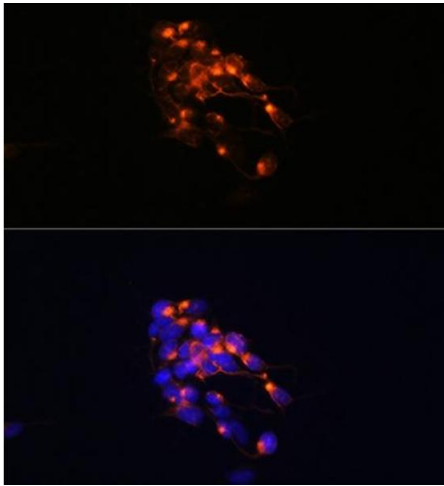
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

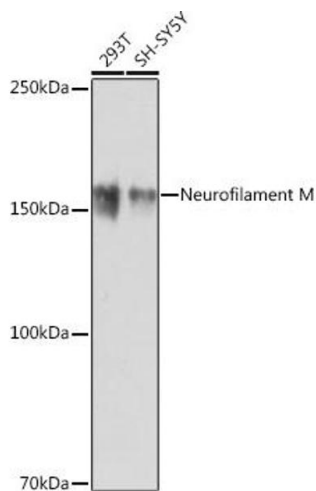
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunofluorescence

Image 1. Immunofluorescence analysis of SH-SY5Y cells using Neurofilament M Rabbit mAb (ABIN7268864) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Neurofilament M antibody (ABIN7268864) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.