Datasheet for ABIN6940184
anti-NEFH antibody

5 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	NEFH
Reactivity:	Human, Rat, Mouse, Chicken, Pig, Cow, Guinea Pig, Rabbit, Cat, Gerbil
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NEFH antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Staining Methods (StM)

Product Details

Immunogen:	Crude neurofilament preparation from porcine spinal cord
Clone:	NE14
Isotype:	IgG1 kappa
Specificity:	This MAb reacts with a 200 kDa protein, identified as heavy sub-unit of neurofilaments (NF-H). It reacts specifically with the phosphorylated KSP/KEP segment at the C-terminus of the heavy subunit (NF-H) of neurofilaments. After dephosphorylation of neurofilaments with alkaline phosphatase, this Ab no longer binds. Neurofilaments make up the main structural elements of axons and dendrites and are found in neurons, peripheral nerves, and sympathetic ganglion cells. Neurofilaments consist of three major subunits with molecular weights of 68 kDa (NF-L), 160 kDa (NF-M) and 200 kDa (NF-H). Anti-neurofilament stains a number of neural, neuroendocrine, and endocrine tumors. Neuromas, ganglioneuromas, gangliogliomas, ganglioneuroblastomas, and neuroblastomas stain positively for anti-neurofilament.

Product Details

	Neurofilaments are also present in paragangliomas as well as adrenal and extra-adrenal pheochromocytomas. Carcinoids, neuroendocrine carcinomas of the skin, and oat cell carcinomas of the lung also express neurofilament.
Purification:	Purified by Protein A/G

Target Details

Target:	NEFH
Alternative Name:	NEFH (NEFH Products)
Molecular Weight:	200kDa
Gene ID:	4744
UniProt:	P12036

Application Details

Application Notes:	Positive Control: HEK293 cells, Brain, Neuroblastoma. Known Application: Western Blot (1-2 µg/mL), Flow Cytometry (0.5-1 µg/million cells), Immunohistochemistry (Formalin-fixed) (0.25-0.5 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

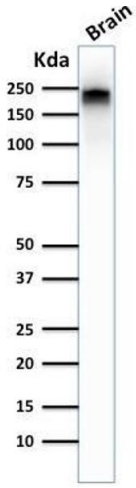
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
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:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Handling

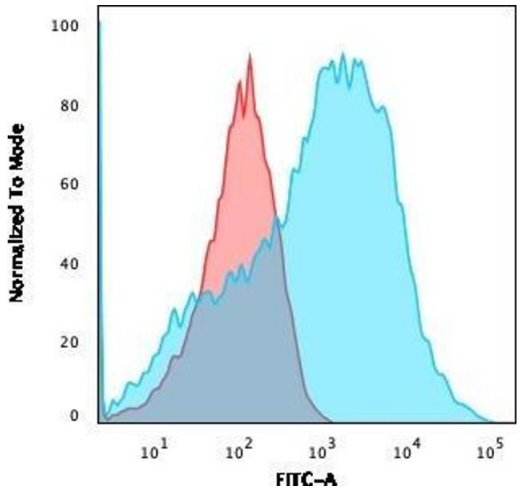
Expiry Date:	24 months

Images



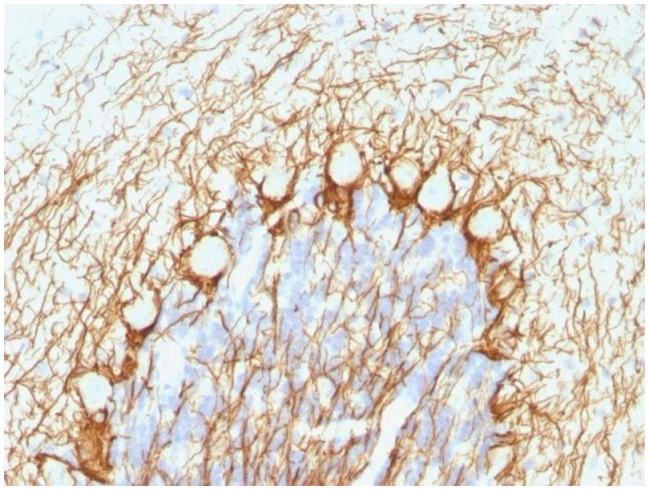
Western Blotting

Image 1. Western Blot Analysis of human Brain tissue lysate using Neurofilament Mouse Monoclonal Antibody (NE14).



Flow Cytometry

Image 2. Flow Cytometric Analysis of HEK293 cells using Neurofilament Mouse Monoclonal Antibody (NE14) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Cerebellum stained with Neurofilament Mouse Monoclonal Antibody (NE14).

Please check the product details page for more images. Overall 5 images are available for ABIN6940184.