Datasheet for ABIN535485

anti-NEFM antibody

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Overview

Quantity:	100 µg
Target:	NEFM
Reactivity:	Pig
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Mouse monoclonal antibody raised against native Neurofilament medium protein.
Immunogen:	Native purified from porcine brain cold stable proteins after depolymerization of microtubules.
Clone:	NF-09
Isotype:	IgG2a
Specificity:	This antibody reacts with both phosphorylated and non-phosphorylated form of medium neurofilament protein (160 KDa) of various species.
Cross-Reactivity:	Mammalian, Pig

Target Details

Target:	NEFM
Alternative Name:	Neurofilament M (160 kD) (NEFM Products)

Target Details

Pathways:	Brown Fat Cell Differentiation

Application Details

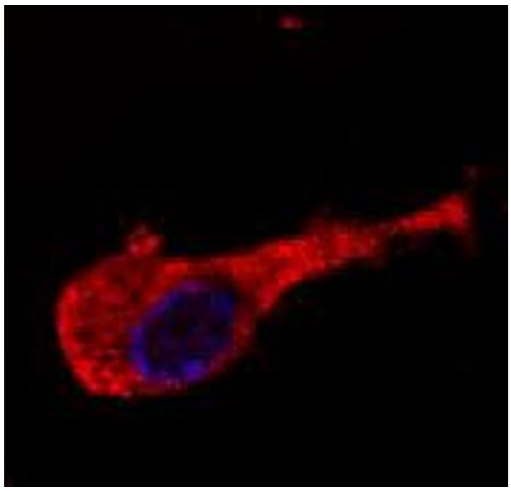
Application Notes:	The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In PBS, pH 7.4 (0.09 % sodium 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
Storage Comment:	Store at 4°C. Do not freeze. Aliquot to avoid repeated freezing and thawing.

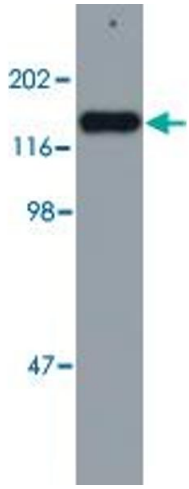
Publications

Product cited in:	Deng, Li, Liu, Iqbal, Grundke-Iqbal, Brandt, Gong: "Regulation between O-GlcNAcylation and phosphorylation of neurofilament-M and their dysregulation in Alzheimer disease." in: **FASEB journal : official publication of the Federation of American Societies for Experimental Biology**, Vol. 22, Issue 1, pp. 138-45, (2008) (PubMed). Rao, Campbell, Yuan, Kumar, Gotow, Uchiyama, Nixon et al.: "The neurofilament middle molecular mass subunit carboxyl-terminal tail domains is essential for the radial growth and cytoskeletal architecture of axons but not for regulating neurofilament transport ..." in: **The Journal of cell biology**, Vol. 163, Issue 5, pp. 1021-31, (2003) (PubMed). Dráberová, Sulimenko, Kukharskyy, Dráber: "Monoclonal antibody NF-09 specific for neurofilament protein NF-M." in: **Folia biologica**, Vol. 45, Issue 4, pp. 163-5, (2000) (PubMed).



Immunofluorescence

Image 1. Immunofluorescence staining of neurofilament medium protein in murine Neuro2A cells by Neurofilament medium protein monoclonal antibody, clone NF-09 conjugated with Dyomics 547 (red). DNA stained by Hoechst (blue).



Western Blotting

Image 2. Western blotting analysis of Neurofilament medium protein in porcine brain lysate (reducing conditions) by Neurofilament medium protein monoclonal antibody, clone NF-09 .

