

# NEFM Monoclonal Antibody (RMO 14.9)

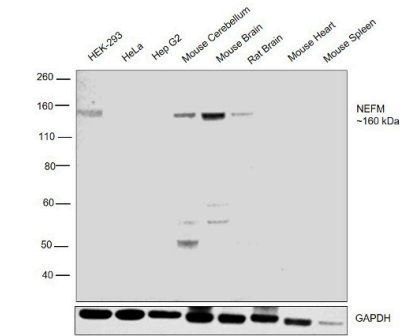
Product Details	
Size	100 µg
Species Reactivity	Chicken, Human, Mouse, Rabbit, Rat
Published Species	Rat, Pig, Rodent, Sheep, Mouse, Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	RMO 14.9
Conjugate	Unconjugated
Immunogen	Rat NF-M.
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533154

Applications	Tested Dilution	Publications
Western Blot (WB)	0.5-2 µg/mL	1 Publication
Immunohistochemistry (IHC)	-	3 Publications
Immunohistochemistry (Paraffin) (IHC (P))	Assay-dependent	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunocytochemistry (ICC/IF)	1:50 - 1:100	-
ELISA (ELISA)	Assay-dependent	-
Miscellaneous PubMed (Misc)	-	2 Publications

Product Images For NEFM Monoclonal Antibody (RMO 14.9)

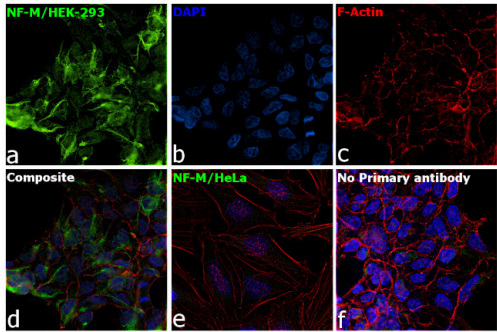
NEFM Antibody (34-1000)

Antibody specificity was demonstrated by detection of differential basal expression of the target across tissues owing to their inherent genetic constitution. The expression was observed in HEK-293, Mouse Cerebellum, Mouse Brain, Rat Brain and not in HeLa, Hep G2, Mouse Heart and Mouse Spleen using NEFM Polyclonal Antibody (Product # 34-1000) in western blot. {RE}



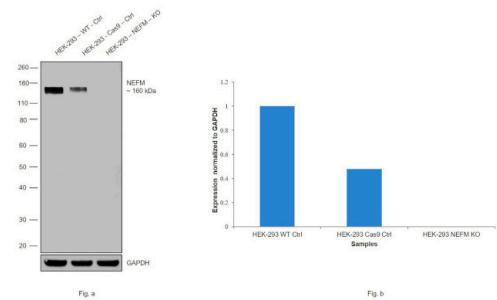
NEFM Antibody (34-1000)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines tested owing to their inherent genetic constitution. Relative expression of NFM was observed in HEK-293 cells in intermediate filaments of cytoskeleton, in comparison to HeLa using Anti-NFM Monoclonal Antibody (Product # 34-1000) in immunofluorescence. {RE}



NEFM Antibody (34-1000)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. A loss of signal was observed for target protein in NEFM (KO) cell line compared to control cell line using Anti-NEFM Monoclonal Antibody (Product # 34-1000). {KO}



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## Western Blot (1)

<p><b>Molecular medicine reports</b></p> <p><b>Fasudil may induce the differentiation of bone marrow mesenchymal stem cells into neuronlike cells via the Wnt/catenin pathway.</b></p> <p>"34-1000 was used in Western Blotting to investigate the effect of fasudil on the differentiation of mesenchymal stem cells into neuron-like cells."</p> <p>Authors: Hu Y,Li X,Huang G,Wang J,Lu W</p>	<p><b>Year</b> 2019</p> <p><b>Species</b> Rat</p> <p><b>Dilution</b> 1:2,000</p>
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## Immunohistochemistry (3)

<p><b>Behavioural brain research</b></p> <p><b>Long-term cognitive impairment without diffuse axonal injury following repetitive mild traumatic brain injury in rats.</b></p> <p>"34-1000 was used in Immunohistochemistry to assess cognitive performance differences in mouse traumatic brain injury models with different time intervals between injury."</p> <p>Authors: Tadepalli SA,Bali ZK,Bruszt N,Nagy LV,Amrein K,Fazekas B,Büki A,Czeiter E,Hernádi I</p>	<p><b>Year</b> 2020</p> <p><b>Species</b> Rat</p> <p><b>Dilution</b> 1:2000</p>
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<p><b>Brain research</b></p> <p><b>Temporal assessment of traumatic axonal injury in the rat corpus callosum and optic chiasm.</b></p> <p>"34-1000 was used in immunohistochemistry to perform a time course to study impaired axoplasmic transport and neurofilament compaction."</p> <p>Authors: Zakaria N,Kallakuri S,Bandaru S,Cavanaugh JM</p>	<p><b>Year</b> 2012</p> <p><b>Species</b> Rat</p> <p><b>Dilution</b> 1 µg/mL</p>
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## Immunohistochemistry (Paraffin) (2)

<p><b>Journal of comparative pathology</b></p> <p><b>Temporal Sequence of Autolysis in the Cerebellar Cortex of the Mouse.</b></p> <p>"34-1000 was used in immunohistochemistry - paraffin section to study the cerebellar cortex of the mouse for the temporal sequence of autolysis"</p> <p>Authors: Finnie JW,Blumbergs PC,Manavis J</p>	<p><b>Year</b> 2016</p> <p><b>Dilution</b> 1:2000</p>
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## More applications with references on thermofisher.com

IHC (F) (2)

Misc (2)

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