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530-758-4400

PRODUCT DATASHEET

Anti-Neuropilin-1 (a1 CUB Domain) Antibody

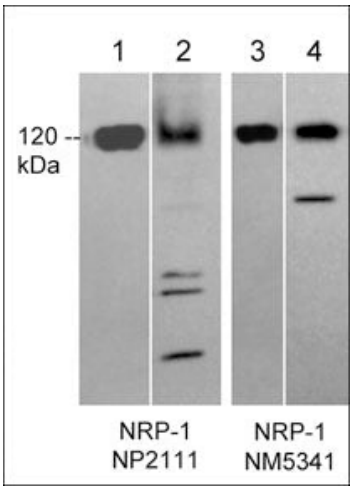
phosphosolutions ANTIBODIES THAT WORK

Product Details

Available Variants	100 µL (SKU:NM5341)
Conjugate	Unconjugated
Isotype	IgG1
Clone	M534
Gene Name	NRP1
Host Species	Mouse
Format	Protein G Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, IHC, WB
Dilution Ranges	WB: 1:250 IHC: 1:100 ICC: 1:100
Species Reactivity	Human, Mouse, Rat
Immunogen	Clone M534 was generated from a neuropilin-1 synthetic peptide (coupled to carrier protein) corresponding to amino acids within the a1 CUB domain of human neuropilin-1. This sequence is highly conserved in rat and mouse neuropilin-1, and has low homology to neuropilin-2.
Specificity	The antibody detects a 130 kDa* protein corresponding to the apparent molecular mass of neuropilin-1 on SDS-PAGE immunoblots of human recombinant neuropilin-1 and in human PC3 cells.
Molecular Weight	130
Quality Control	Western blots performed on each lot.

Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
UniProt ID	O14786 UniProt Summary: Cell-surface receptor involved in the development of the cardiovascular system, in angiogenesis, in the formation of certain neuronal circuits and in organogenesis outside the nervous system. Mediates the chemorepulsant activity of semaphorins. Recognizes a C-end rule (CendR) motif R/KXXR/K on its ligands which causes cellular internalization and vascular leakage. It binds to semaphorin 3A, the PLGF-2 isoform of PGF, the VEGF165 isoform of VEGFA and VEGFB. Coexpression with KDR results in increased VEGF165 binding to KDR as well as increased chemotaxis. Regulates VEGF-induced angiogenesis. Binding to VEGFA initiates a signaling pathway needed for motor neuron axon guidance and cell body migration, including for the caudal migration of facial motor neurons from rhombomere 4 to rhombomere 6 during embryonic development. Regulates mitochondrial iron transport via interaction with ABCB8/MITOSUR.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
NCBI Gene ID	8829

Product Images



Western blot image of recombinant human Neuropilin-1 (lanes 1 & 3) and human PC3 cells (lanes 2 & 4). The blots were probed with rabbit polyclonal anti-Neuropilin-1 (NP2111) (lanes 1 & 2) or with mouse monoclonal anti-Neuropilin-1 (lanes 3 & 4).



Created on 20. November 2026 | All information without guarantee