

Datasheet for ABIN653013
anti-Neuropilin 1 antibody (C-Term)

3 Images

1 Publication

[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	Neuropilin 1 (NRP1)
Binding Specificity:	AA 722-750, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Neuropilin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This NRP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 722-750 amino acids from the C-terminal region of human NRP1.
Clone:	RB22995
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Neuropilin 1 (NRP1)
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Target Details

Alternative Name:	NRP1 (NRP1 Products)
Background:	NRP1 is a membrane-bound coreceptor to a tyrosine kinase receptor for both vascular endothelial growth factor (VEGF, MIM 192240) and semaphorin (see SEMA3A, MIM 603961) family members. NRP1 plays versatile roles in angiogenesis, axon guidance, cell survival, migration, and invasion.
Molecular Weight:	103134
Gene ID:	8829
NCBI Accession:	NP_001019799 , NP_003864
UniProt:	O14786
Pathways:	Regulation of Cell Size , Signaling Events mediated by VEGFR1 and VEGFR2 , Smooth Muscle Cell Migration , Platelet-derived growth Factor Receptor Signaling , VEGFR1 Specific Signals

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

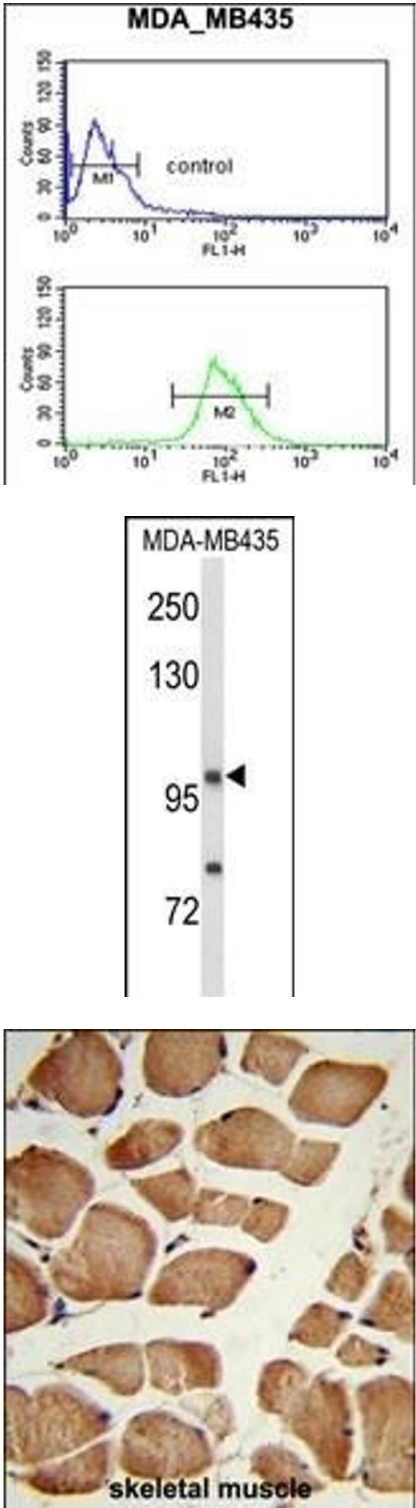
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:	He, Yang, Li: "The clinical pathological significance of Thy1 and CD49f expression in chondrosarcomas." in: Pathology, research and practice , Vol. 212, Issue 7, pp. 636-42, (2017) (
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Images



Flow Cytometry

Image 1. NRP1 Antibody (C-term) (ABIN653013 and ABIN2842638) flow cytometric analysis of MDA-M cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of NRP1 Antibody (C-term) (ABIN653013 and ABIN2842638) in MDA-M cell line lysates (35 µg/lane). NRP1 (arrow) was detected using the purified Pab.

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin-embedded human skeletal muscle reacted with NRP1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.