

Datasheet for ABIN2787936

anti-Neuropilin 1 antibody (N-Term)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µL
Target:	Neuropilin 1 (NRP1)
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Rabbit, Cow, Dog, Guinea Pig, Horse, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Neuropilin 1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human NRP1
Sequence:	FNPFDLEDR DCKYDYVEVF DGENENGHFR GKFCGKIAPP PVVSSGPFLF
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against NRP1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Neuropilin 1 (NRP1)
Alternative Name:	NRP1 (NRP1 Products)

Target Details

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. Alias Symbols: BDCA4, CD304, DKFZp686A03134, DKFZp781F1414, NP1, NRP, VEGF165R Protein Interaction Partner: UBC, VEGFA, TGFBR3, TGFBR2, TGFBR1, L1CAM, PDGFB, PLVAP, CSNK2A2, RPL27, SRRM1, PLXNA1, GIPC1, SEMA3A, SEMA3C, NRP2, NRP1, VEGFB, SEMA3B, SEMA3F, PGF, KDR, FLT1, FGF4, FGF7, FGFR1, FGF2, FGF1, HGF, PLXND1, Protein Size: 644
Molecular Weight:	72 kDa
Gene ID:	8829
NCBI Accession:	NM_001024628 , NP_001019799
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:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 644 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-NRP1 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:312500

Positive Control: HepG2 cell lysate

Western Blotting

Image 2. WB Suggested Anti-NRP1

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:12500

Positive Control: HepG2 cell lysate

There is BioGPS gene expression data showing that NRP1 is expressed in HepG2