Datasheet for ABIN7268891

anti-Neuropilin 1 antibody

2 Images

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Overview

Quantity:	100 µL
Target:	Neuropilin 1 (NRP1)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Neuropilin 1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Neuropilin-1 (NRP1) Rabbit mAb
Immunogen:	A synthesized peptide derived from human Neuropilin-1 (NRP1) (NRP1)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Neuropilin 1 (NRP1)
Alternative Name:	NRP1 (NRP1 Products)
Background:	This gene encodes one of two neuropilins, which contain specific protein domains which allow

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Target Details

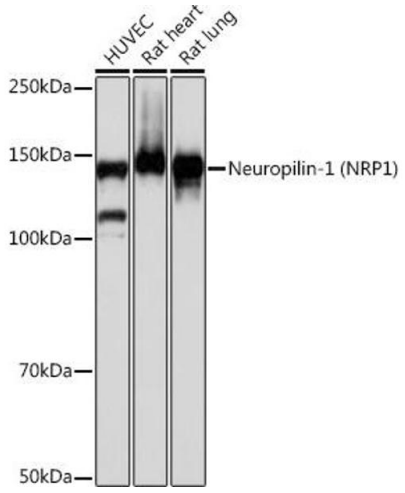
	them to participate in several different types of signaling pathways that control cell migration. Neuropilins contain a large N-terminal extracellular domain, made up of complement-binding, coagulation factor V/VIII, and meprin domains. These proteins also contains a short membrane-spanning domain and a small cytoplasmic domain. Neuropilins bind many ligands and various types of co-receptors, they affect cell survival, migration, and attraction. Some of the ligands and co-receptors bound by neuropilins are vascular endothelial growth factor (VEGF) and semaphorin family members. Several alternatively spliced transcript variants that encode different protein isoforms have been described for this gene. [provided by RefSeq, Oct 2011],BDCA4,CD304,NP1,NRP,VEGF165R,Neuropilin-1,NRP1,Angiogenesis,Cardiovascular,CDs,Cell Biology & Developmental Biology,Growth factors,Growth factors_VEGF,Growth factors_VEGF Receptors,Immunology & Inflammation,Neuroscience,Stem Cells,NRP1
Molecular Weight:	120kDa
Gene ID:	8829
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,1:500 - 1:2000
Restrictions:	For Research Use only

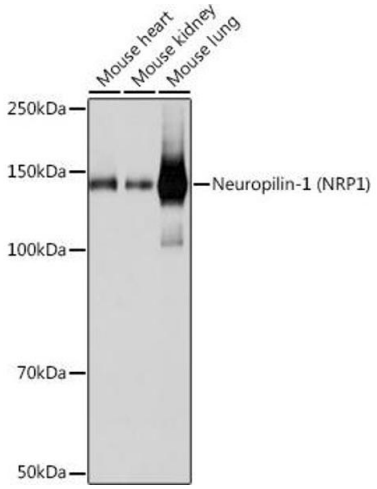
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using Neuropilin-1 (NRP1) (NRP1) antibody (ABIN7268891) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Neuropilin-1 (NRP1) (NRP1) antibody (ABIN7268891) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 5s.

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