

Datasheet for ABIN671996

anti-Neuropilin 1 antibody (AA 851-923) (Cy5.5)



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Overview

Quantity:	100 µL
Target:	Neuropilin 1 (NRP1)
Binding Specificity:	AA 851-923
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Neuropilin 1 antibody is conjugated to Cy5.5
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human neuropilin-1
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse, Sheep, Chicken
Purification:	Purified by Protein A.

Target Details

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

Target Details

Background:	Synonyms: NP1, NRP, BDCA4, CD304, VEGF165R, Neuropilin-1, Vascular endothelial cell growth factor 165 receptor, NRP1 Background: The membrane-bound isoform 1 is a 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. It mediates the chemorepulsant activity of semaphorins. It binds to semaphorin 3A, The PLGF-2 isoform of PGF, The VEGF-165 isoform of VEGF and VEGF-B. Coexpression with KDR results in increased VEGF-165 binding to KDR as well as increased chemotaxis. It may regulate VEGF-induced angiogenesis. The soluble isoform 2 binds VEGF-165 and appears to inhibit its binding to cells. It may also induce apoptosis by sequestering VEGF-165. May bind as well various members of the semaphorin family. Its expression has an averse effect on blood vessel number and integrity.
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:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C

Handling

Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months