

Product Datasheet

Neuropilin 1 Antibody

Catalog No: CY5243

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB, IHC, ICC/IF, IP, FC



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Information

UniProt ID: O14786

All Names: A5 protein; BDCA4; CD304 ; Neuropilin1; NP1; NPN1; NRP1; VEGF165R ; NEL like protein 1; Blood dendritic cell antigen 4 ;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 120 kDa

Application

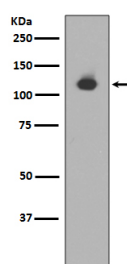
WB: 1:500~1:2000

IHC: 1:50~1:200

ICC/IF: 1:50~1:200

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.



Western blot analysis of extracts of Mouse heart tissue lysate, using Neuropilin1 antibody.

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