

Datasheet for ABIN7161434  
**anti-Neuropilin 1 antibody (AA 684-923)**



[Go to Product page](#)

1 Image

## Overview

Quantity:	100 µL
Target:	Neuropilin 1 (NRP1)
Binding Specificity:	AA 684-923
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Neuropilin 1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

## Product Details

Immunogen:	Recombinant Human Neuropilin-1 protein (684-923AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity purified

## Target Details

Target:	Neuropilin 1 (NRP1)
Alternative Name:	<a href="#">NRP1 (NRP1 Products)</a>
Background:	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

## Target Details

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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.

Aliases: A5 protein antibody, BDCA4 antibody, BLOOD DENDRITIC CELL ANTIGEN 4 antibody, CD304 antibody, Neuropilin-1 antibody, Neuropilin1 antibody, NP1 antibody, NPN1 antibody, NRP 1 antibody, NRP antibody, NRP1 antibody, NRP1\_HUMAN antibody, transmembrane receptor antibody, Vascular endothelial cell growth factor 165 receptor antibody, VEGF165R antibody

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UniProt: [O14786](#)

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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

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Application Notes: Recommended dilution: IHC:1:20-1:200,

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

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Preservative: Sodium azide

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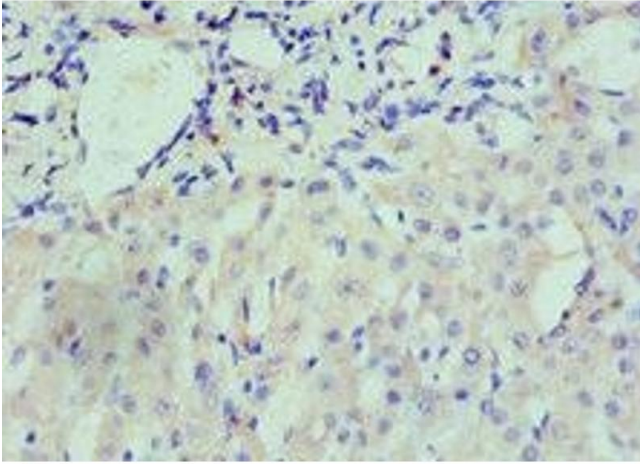
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C,-80 °C

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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human liver tissue using ABIN7161434 at dilution of 1:100