

For Research Use Only

Neuropilin 1 Recombinant antibody

Catalog Number:84429-5-RR



Basic Information

Catalog Number: 84429-5-RR	GenBank Accession Number: BC007533	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 8829	CloneNo.: 241812G11
Source: Rabbit	UNIPROT ID: O14786	Recommended Dilutions: WB 1:500-1:2000 IHC 1:250-1:1000 IF/ICC 1:125-1:500
Isotype: IgG	Full Name: neuropilin 1	
	Observed MW: 130-140 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse heart tissue, rat heart tissue, mouse brain tissue, rat brain tissue

IHC : human placenta tissue,

IF/ICC : PC-3 cells,

Background Information

Neuropilin-1 (NRP1) is a 130-140 kDa transmembrane glycoprotein expressed by endothelial, dendritic, and regulatory T cells, as well as several other normal cell types and malignant tumor cells. NRP1 was first identified as a semaphorin (SEMA) receptor, involved in axonal guidance in embryonic development. NRP1 was also shown to act as a receptor for vascular endothelial growth factor (VEGF) and a promoter of angiogenesis through its interaction with VEGF-A165 (and other VEGFs) and the receptor tyrosine kinase (RTK) VEGF-R2. NRP1 plays versatile roles in angiogenesis, axon guidance, cell survival, migration, and invasion.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

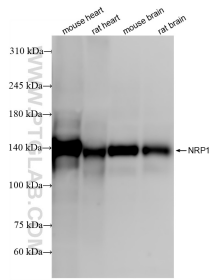
For technical support and original validation data for this product please contact:

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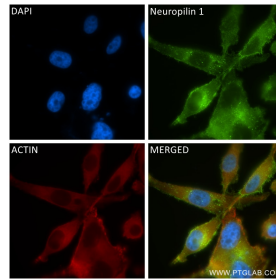
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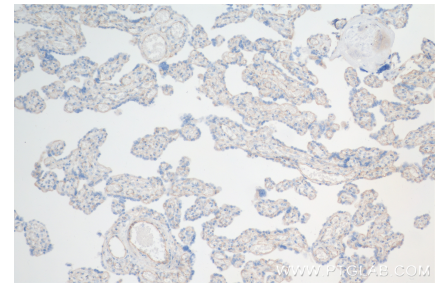
Selected Validation Data



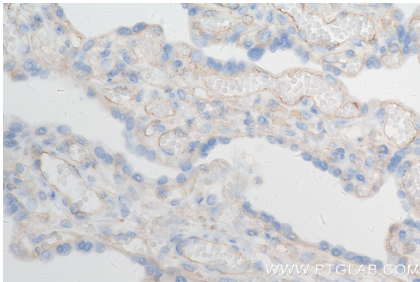
Various lysates were subjected to SDS PAGE followed by western blot with 84429-5-RR (NRP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed PC-3 cells using Neuropilin 1 antibody (84429-5-RR, Clone: 241812G11) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 84429-5-RR (Neuropilin 1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 84429-5-RR (Neuropilin 1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).