For Research Use Only

Neuropilin 1/CD304 Recombinant monoclonal antibody, PBS Only

Catalog Number:84429-5-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
84429-5-PBS

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG2331

GenBank Accession Number:
BC007533

GeneID (NCBI):
8829

UNIPROT ID:
O14786

Full Name:
neuropilin 1

Observed MW:
130-140 kDa

Purification Method:
Protein A purification

CloneNo.:
241812G11

Applications

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

Species Specificity:
human, mouse, rat

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.

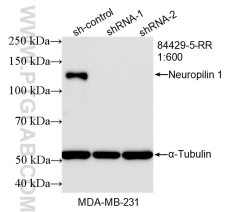
Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

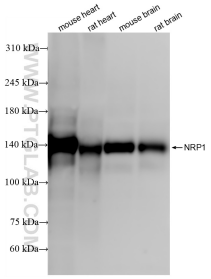
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

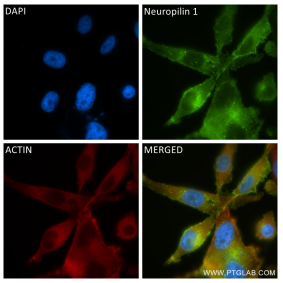
Selected Validation Data



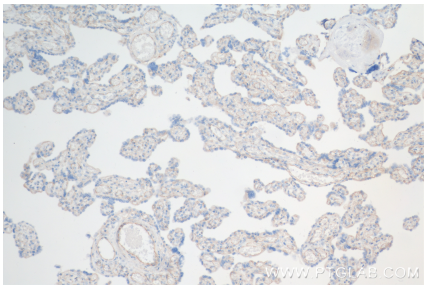
WB result of Neuropilin 1/CD304 antibody (84429-5-RR; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-Neuropilin 1/CD304 transfected MDA-MB-231 cells. This data was developed using the same antibody clone with 84429-5-PBS in a different storage buffer formulation.



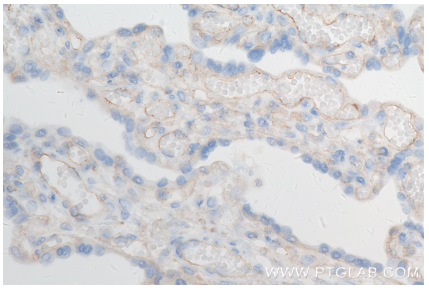
Various lysates were subjected to SDS PAGE followed by western blot with 84429-5-RR (NRP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84429-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84429-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84429-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84429-5-PBS in a different storage buffer formulation.