Neuropilin-1 Rabbit mAb

Catalog No: #48906

Package Size: #48906-1 50ul #48906-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

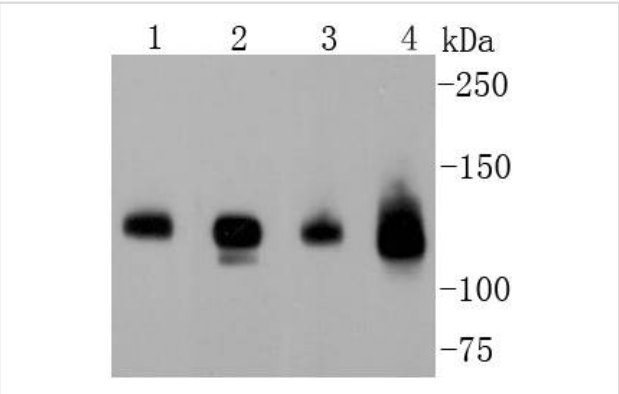
Description

Product Name	Neuropilin-1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SR4522
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	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
Accession No.	Swiss-Prot#:O14786
Uniprot	O14786
GeneID	8829;
Calculated MW	120 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

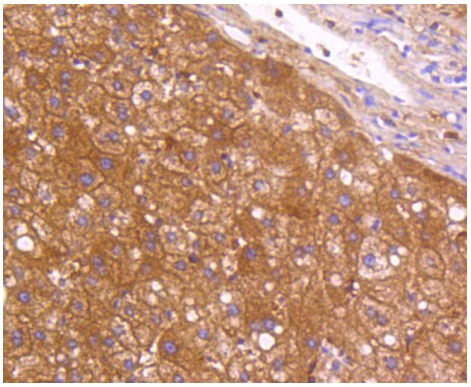
Application Details

WB: 1:1,000-5,000IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

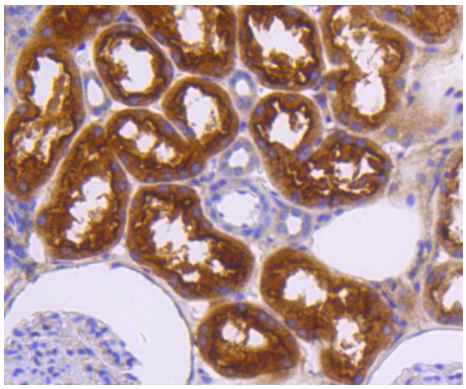
Images



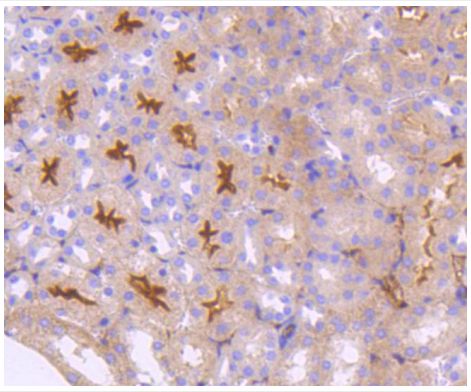
Western blot analysis of Neuropilin-1 on different lysates using anti-Neuropilin-1 antibody at 1/1,000 dilution. Positive control: Lane 1: Mouse heart Lane 2: Mouse liver Lane 3: Mouse kidney Lane 4: Human liver



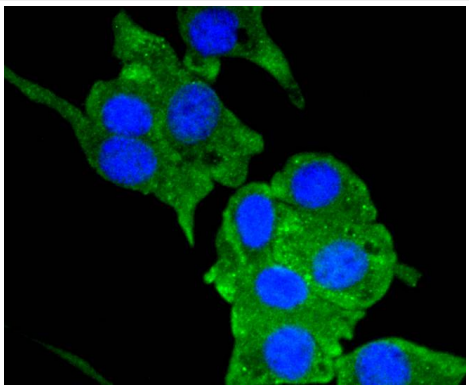
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Neuropilin-1 antibody. Counter stained with hematoxylin.



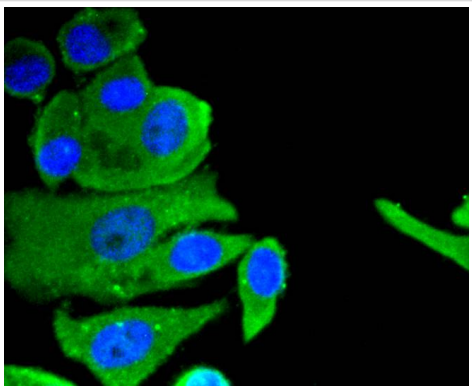
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Neuropilin-1 antibody. Counter stained with hematoxylin.



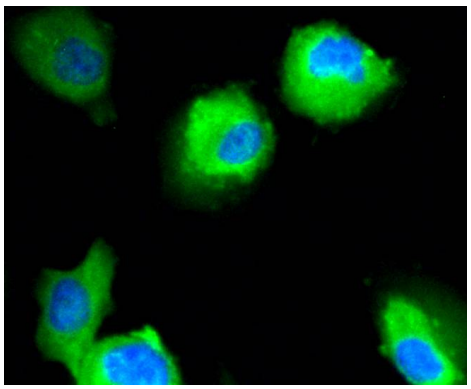
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-Neuropilin-1 antibody. Counter stained with hematoxylin.



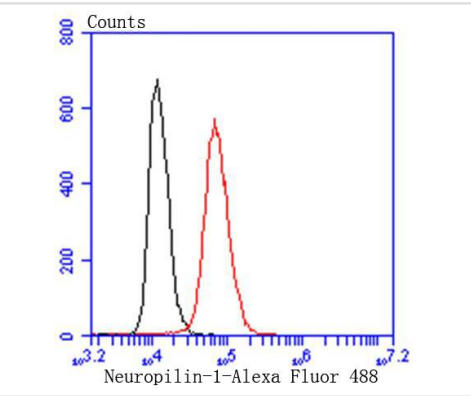
ICC staining Neuropilin-1 in SHG-44 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Neuropilin-1 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Neuropilin-1 in HUVEC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Hela cells with Neuropilin-1 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

Neuropilin is a type I transmembrane receptor that has been implicated in aspects of axon growth and guidance and has been shown to act as a high affinity receptor for class III semaphorins and vascular endothelial growth factor (VEGF). A closely related protein, neuropilin-2, shares a common domain structure and signifcant homology with neuropilin and also acts as a receptor for the class III semaphorins and VEGF. Both neuropilins are involved in regulating many physiological pathways including axonal guidance and angiogenesis, however they exhibit differential expression in the adult vasculature. Neuropilin-2 is polysialylated and expressed on the surface of dendritic cells. It is also expressed by venous and lymphatic endothelium. Neuropilin is expressed predominantly by arterial endothelium.

References

Note: This product is for in vitro research use only