

# Product Datasheet

## Neuropilin-1 Antibody (ST05-30) NBP2-67539

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-67539**

Neuropilin-1 Antibody (ST05-30)

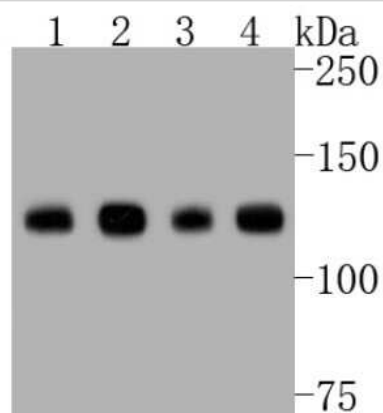
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	ST05-30
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol
Target Molecular Weight	120 kDa

Product Description	
Host	Rabbit
Gene ID	8829
Gene Symbol	NRP1
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human Neuropilin-1 aa 881-923 / 923. (SwissProt: O14786 Human; SwissProt: P97333 Mouse; SwissProt: Q9QWJ9 Rat)

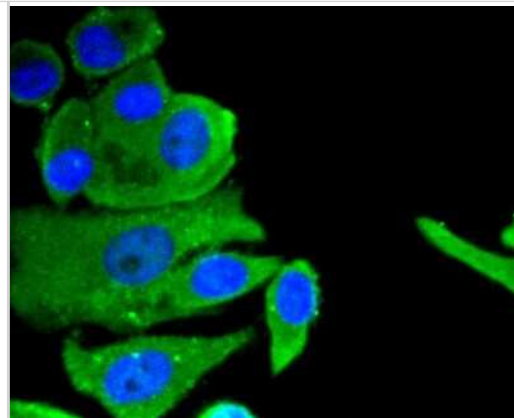
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:5000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunoprecipitation, Immunohistochemistry-Paraffin 1:50-1:200

**Images**

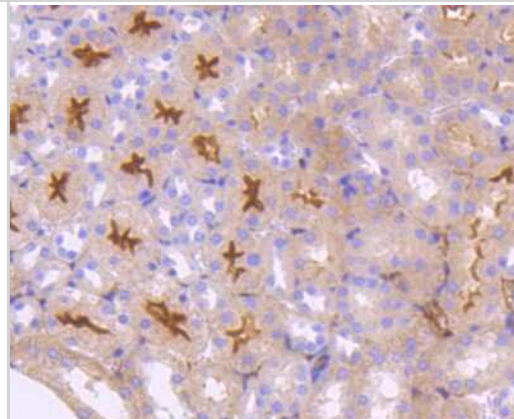
Western Blot: Neuropilin-1 Antibody (ST05-30) [NBP2-67539] - Western blot analysis of Neuropilin-1 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat A



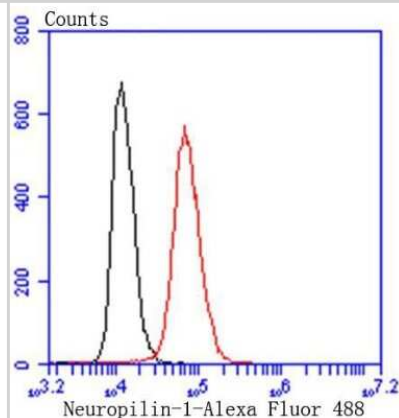
Immunocytochemistry/Immunofluorescence: Neuropilin-1 Antibody (ST05-30) [NBP2-67539] - Staining Neuropilin-1 in MCF-7 cells (green) using Neuropilin-1 antibody (ST05-30) [NBP2-67539]. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



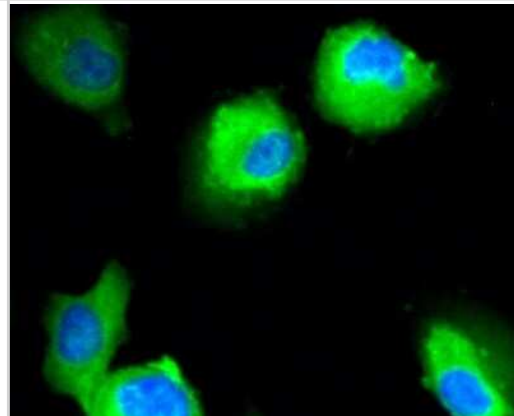
Immunohistochemistry-Paraffin: Neuropilin-1 Antibody (ST05-30) [NBP2-67539] - Analysis of paraffin-embedded mouse kidney tissue using Neuropilin-1 antibody (ST05-30) [NBP2-67539]. Counter stained with hematoxylin.



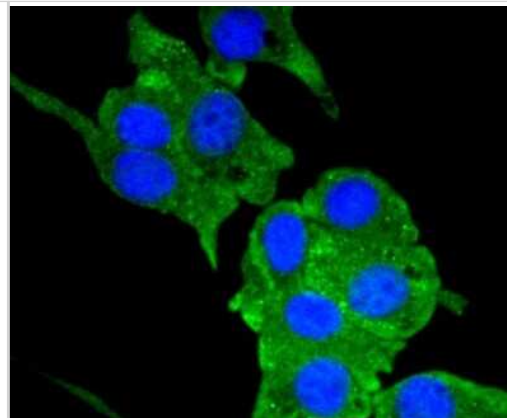
Flow Cytometry: Neuropilin-1 Antibody (ST05-30) [NBP2-67539] - Analysis of Hela cells with Neuropilin-1 antibody (ST05-30) [NBP2-67539] at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



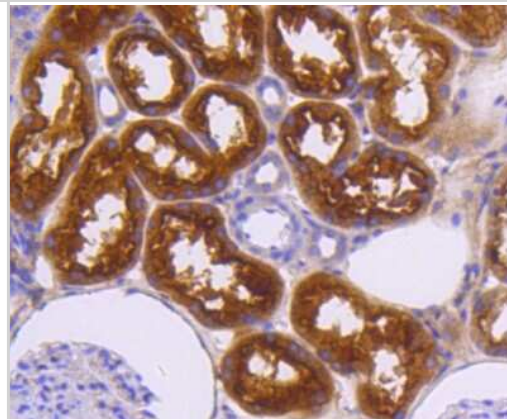
Immunocytochemistry/Immunofluorescence: Neuropilin-1 Antibody (ST05-30) [NBP2-67539] - Staining Neuropilin-1 in HUVEC cells (green) using Neuropilin-1 antibody (ST05-30) [NBP2-67539]. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



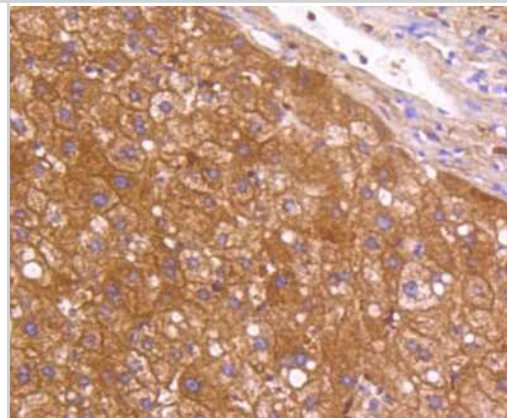
Immunocytochemistry/Immunofluorescence: Neuropilin-1 Antibody (ST05-30) [NBP2-67539] - Staining Neuropilin-1 in SHG-44 cells (green) using Neuropilin-1 antibody (ST05-30) [NBP2-67539]. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Immunohistochemistry-Paraffin: Neuropilin-1 Antibody (ST05-30) [NBP2-67539] - Analysis of paraffin-embedded human kidney tissue using Neuropilin-1 antibody (ST05-30) [NBP2-67539]. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Neuropilin-1 Antibody (ST05-30) [NBP2-67539] - Analysis of paraffin-embedded human liver tissue using Neuropilin-1 antibody (ST05-30) [NBP2-67539]. Counter stained with hematoxylin.



## Publications

Prieto-Fernandez E, Egia-Mendikute L, Vila-Vecilla L, et al. Hypoxia reduces cell attachment of SARS-CoV-2 spike protein by modulating the expression of ACE2 and heparan sulfate *Emerg Microbes Infect* 2021-05-20 [PMID: 34013835] (WB, Human)

Mone P, Gambardella J, Wang X et al. miR-24 Targets the Transmembrane Glycoprotein Neuropilin-1 in Human Brain Microvascular Endothelial Cells *Non-coding RNA* 2021-02-02 [PMID: 33540664] (WB, Human)



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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-85763PEP	Neuropilin-1 Recombinant Protein Antigen

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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