



Sheep Anti-Human NRP1 Polyclonal Antibody [Functional Grade] (CABT-Z389S)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody detects human Neuropilin-1 in direct ELISAs and Western blots. In direct ELISAs, less than 50% cross-reactivity with recombinant rat Neuropilin-1 and recombinant mouse Neuropilin-1 is observed, and less than 1% cross-reactivity with recombinant human Neuropilin-2 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Neuropilin-1 (Phe22-Lys644)
Isotype	IgG
Source/Host	Sheep
Species Reactivity	Human
Purification	Affinity Purified
Conjugate	Functional Grade
Applications	WB, FC, IHC, BL, ELISA, ICC, Conjugation Recommended concentration: WB: 1 µg/ml FC: 2.5 µg/10 ⁶ cells IHC: 5-15 µg/mL ICC: 5-15 µg/mL
Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Format	Lyophilized
Size	100 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. Endotoxin Level<0.10 EU per

1 µg of the antibody by the LAL method.

Preservative	None
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Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.
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Ship	Wet ice
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BACKGROUND

Introduction Neuropilin-1 is a type I transmembrane protein that is expressed in the developing nervous system and by endothelial and tumor cells. Neuropilin-1 binds members of the class III secreted semaphorin subfamily as well as some isoforms of VEGF family proteins. The amino acid sequence of rat Neuropilin-1 extracellular domain is 98% and 93% identical to that of mouse and human Neuropilin-1, respectively.

Keywords BDCA4;BDCA-4;CD304 antigen;CD304;DKFZp686A03134;DKFZp781F1414;neuropilin 1;Neuropilin1;Neuropilin-1;NP1;NRP;NRP1;transmembrane receptor;Vascular endothelial cell growth factor 165 receptor;VEGF165R

GENE INFORMATION

Gene Name	NRP1
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Entrez Gene ID	8829
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UniProt ID	O14786
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