



# 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

<b>Specificity</b>	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.
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human Neuropilin-1 (Phe22-Lys644)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Sheep
<b>Species Reactivity</b>	Human
<b>Purification</b>	Affinity Purified
<b>Conjugate</b>	Functional Grade
<b>Applications</b>	WB, FC, IHC, BL, ELISA, ICC, Conjugation Recommended concentration: WB: 1 µg/ml FC: 2.5 µg/10 <sup>6</sup> cells IHC: 5-15 µg/mL ICC: 5-15 µg/mL
<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Format</b>	Lyophilized
<b>Size</b>	100 µg
<b>Buffer</b>	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.

<b>Preservative</b>	None
<b>Storage</b>	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.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	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.
<b>Keywords</b>	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

<b>Gene Name</b>	NRP1
<b>Entrez Gene ID</b>	<a href="#">8829</a>
<b>UniProt ID</b>	<a href="#">O14786</a>