

For Research Use Only

# Neuropilin 1 Polyclonal antibody

Catalog Number: 10612-1-AP



## Basic Information

<b>Catalog Number:</b> 10612-1-AP	<b>GenBank Accession Number:</b> BC007737	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 133 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 8829	
<b>Source:</b> Rabbit	<b>Full Name:</b> neuropilin 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 103 kDa	
<b>Immunogen Catalog Number:</b> AG0931		

## Applications

**Tested Applications:**  
ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

Neuropilin-1 (NRP1) is a 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 -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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## Selected Validation Data