

A16697

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# Neuropilin-1 (NRP1) Rabbit pAb

Catalog No.: A16697

3 Publications

## Basic Information

### Observed MW

120kDa

### Calculated MW

103kDa

### Category

Mouse Monoclonal Antibody

### Applications

WB, IF/ICC, ELISA

### Cross-Reactivity

Human, Mouse, Rat

## Background

This gene encodes one of two neuropilins, which contain specific protein domains which allow them to participate in several different types of signaling pathways that control cell migration. Neuropilins contain a large N-terminal extracellular domain, made up of complement-binding, coagulation factor V/VIII, and meprin domains. These proteins also contains a short membrane-spanning domain and a small cytoplasmic domain. Neuropilins bind many ligands and various types of co-receptors; they affect cell survival, migration, and attraction. Some of the ligands and co-receptors bound by neuropilins are vascular endothelial growth factor (VEGF) and semaphorin family members. This protein has also been determined to act as a co-receptor for SARS-CoV-2 (which causes COVID-19) to infect host cells.

## Recommended Dilutions

WB	1:500 - 1:1000
IF/ICC	1:50 - 1:200

## Immunogen Information

### Gene ID

8829

### Swiss Prot

O14786

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 824-923 of human Neuropilin-1 (NRP1) (NP\_003864.5).

### Synonyms

NP1; NRP; BDCA4; CD304; VEGF165R; Neuropilin-1 (NRP1)

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

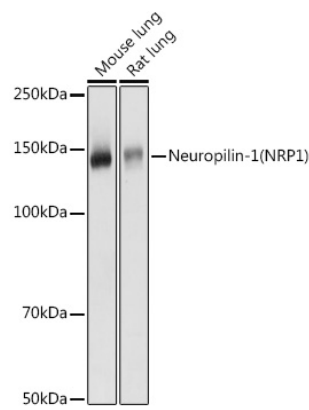
Affinity purification

### Storage

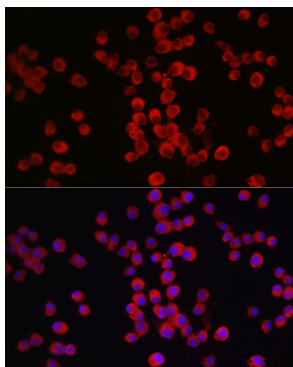
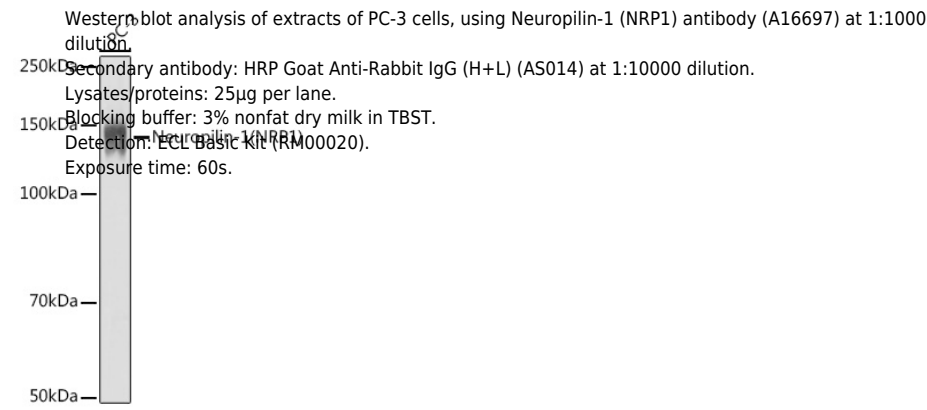
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

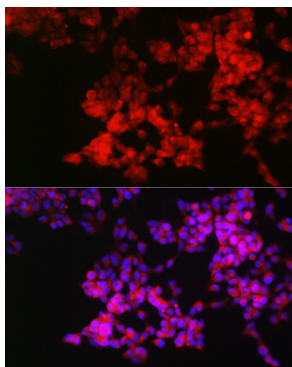
Validation Data



Western blot analysis of extracts of various cell lines, using Neuropilin-1 (NRP1) antibody (A16697) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 10s.



Immunofluorescence analysis of Nerou-2a cells using Neuropilin-1 (NRP1) Rabbit pAb (A16697) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of SH-SY5Y cells using Neuropilin-1 (NRP1) Rabbit pAb (A16697) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.