

A16697

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Neuropilin-1 (NRP1) Rabbit pAb

Catalog No.: A16697

3 Publications

Basic Information

Observed MW

120kDa

Calculated MW

103kDa

Category

Polyclonal 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

Product Information

Source

Rabbit

Isotype

IgG

Purification

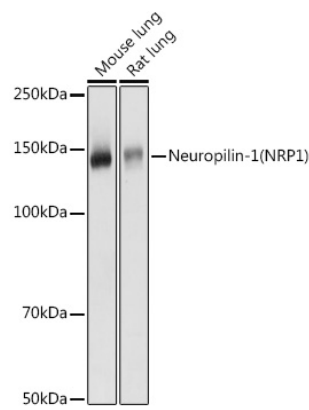
Affinity purification

Storage

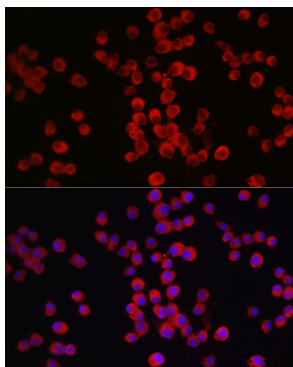
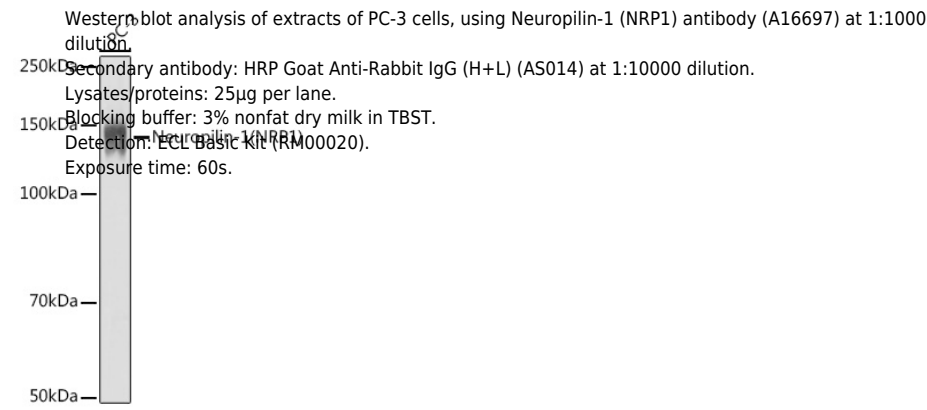
Store at -20°C. Avoid freeze / thaw cycles.

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

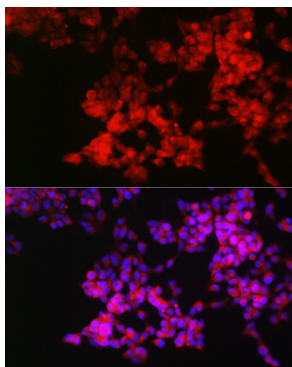
Validation Data



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.