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Neuropilin-1 (NRP1) Rabbit mAb

Catalog No.: A22213   **Recombinant**

Basic Information

Observed MW
120-135kDa

Calculated MW
68kDa/71kDa/103kDa

Category
Primary antibody

Applications
ELISA,WB

Cross-Reactivity
Human

CloneNo number
ARC55415

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   1:1000 - 1:5000

Immunogen Information

Gene ID
8829

Swiss Prot
O14786

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 22-644 of human Neuropilin-1 (NRP1) (NP_003864.5).

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

Contact

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Product Information

Source
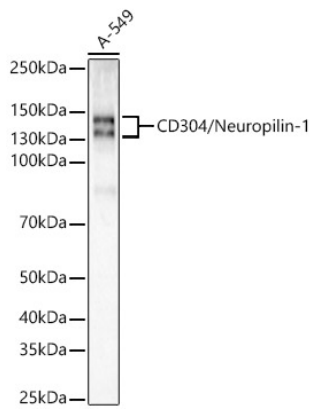Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data

Western blot analysis of A-549, using Neuropilin-1 (NRP1) antibody (A22213) at 1:2000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:200000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 30s.