

NRP1 Antibody

Catalog No: #33113

Package Size: #33113-1 50ul #33113-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

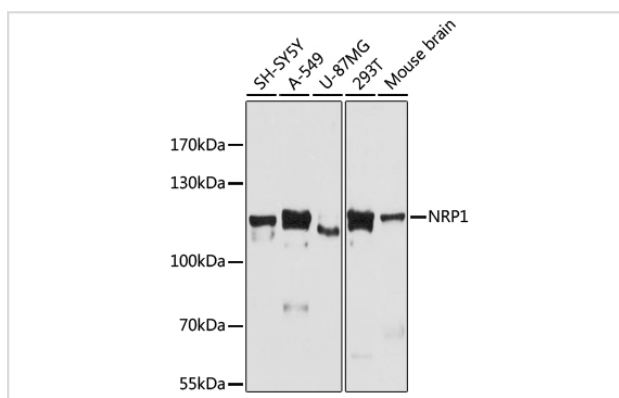
Description

Product Name	NRP1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total NRP1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human NRP1.
Target Name	NRP1
Other Names	NP1; NRP; BDCA4; CD304; VEGF165R
Accession No.	Swiss-Prot:O14786NCBI Gene ID:8829
SDS-PAGE MW	103KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

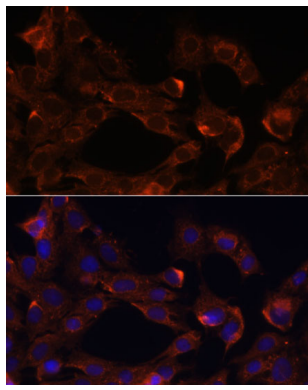
Application Details

WB □ 1:500 - 1:2000 IF □ 1:50 - 1:200

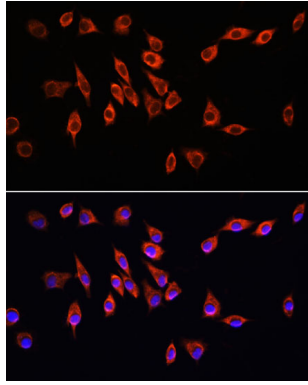
Images



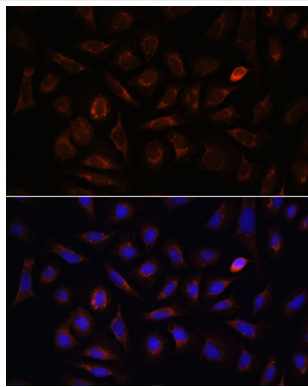
Western blot analysis of extracts of various cell lines, using NRP1 antibody at 1:3000 dilution.



Immunofluorescence analysis of C6 cells using NRP1 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of L929 cells using NRP1 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using NRP1 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

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. Several alternatively spliced transcript variants that encode different protein isoforms have been described for this gene.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.