Rabbit anti-Mouse CD304/Neuropilin-1 Monoclonal Antibody | anti-Nrp1 antibody

CD304/Neuropilin-1 Rabbit PolymAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283082	**Rabbit**	**Mouse**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

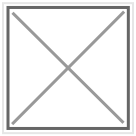
PRODUCT SYNONYMS

CD304/Neuropilin-1; Monoclonal Antibody; CD304/Neuropilin-1 Rabbit PolymAb; Nrp; NP-1; Npn1; NPN-1; C530029I03; anti-Nrp1 antibody

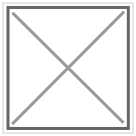
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Applicable Applications for anti-Nrp1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant protein of mouse CD304/Neuropilin-1.
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



ICC (Immunocytochemistry)
Confocal imaging of HUVEC cells using CD304/Neuropilin-1 Rabbit PolymAb® (AAA283082, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



ICC (Immunocytochemistry)
Confocal imaging of Neuro-2a cells using CD304/Neuropilin-1 Rabbit PolymAb® (AAA283082, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



WB (Western Blot)
Western blot analysis of various lysates using CD304/Neuropilin-1 Rabbit PolymAb® (AAA283082) at 1:1000 dilution incubated overnight at 4?.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25 ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-Nrp1 antibody	Enables protein kinase binding activity; transmembrane signaling receptor activity; and vascular endothelial growth factor binding activity. Involved in several processes, including nervous system development; regulation of signal transduction; and vasculature development. Acts upstream of or within several processes, including morphogenesis of a branching epithelium; nervous system development; and toxin transport. Located in several cellular components, including endosome; focal adhesion; and neurofilament. Is integral component of postsynaptic membrane. Is expressed in several structures, including cardiovascular system; jaw; lung; nervous system; and sensory organ. Used to study retinal vein occlusion. Human ortholog(s) of this gene implicated in lung non-small cell carcinoma. Orthologous to human NRP1 (neuropilin 1).
Product Categories/Family for anti-Nrp1 antibody	Cardiovascular Angiogenesis Growth Factors VEGF VEGF ReceptorsNeuroscience Neurology process Growth and Development Axonal Guidance ProteinsImmunology Adaptive Immunity Regulatory T Cells; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	244792700
NCBI GeneID	18186
NCBI Accession #	NP_032763.2
NCBI GenBank Nucleotide #	NM_008737.2
UniProt Accession #	P97333; Q6PAR3
Molecular Weight	Calculated MW: 103kDa Observed MW: 130-140kDa
UniProt Protein Name	Neuropilin-1
UniProt Gene Name	**Nrp1**
UniProt Synonym Gene Names	Nrp

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/cd304-neuropilin-1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/283082