

Rabbit Neuropilin-1 (a1 CUB Domain) Polyclonal Antibody | anti-NRP1 antibody

Neuropilin-1 (a1 CUB Domain)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71524	Rabbit	Human, Rat, Mouse	Immunocytochemistry, Western Blot, ELISA

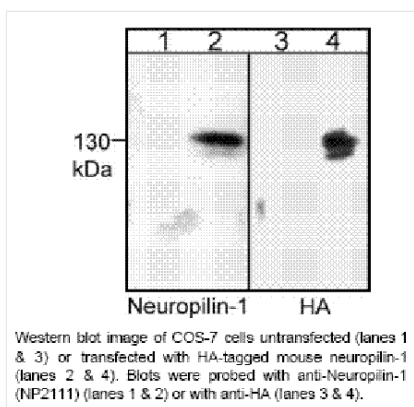
PRODUCT SYNONYMS

Neuropilin-1 (a1 CUB Domain); Polyclonal Antibody; NRP1; Vascular endothelial cell growth factor 165 receptor; anti-NRP1 antibody

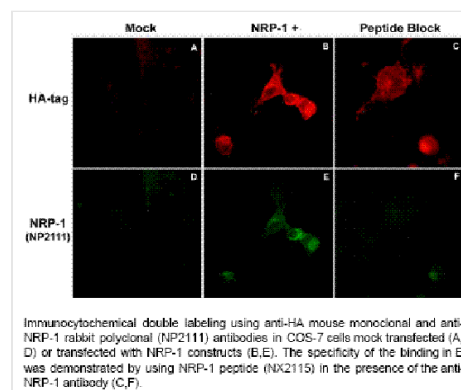
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Specificity	This antibody detects a 130 kDa* protein corresponding to the apparent molecular mass of neuropilin-1 on SDS-PAGE immunoblots of COS-7 cells transfected with mouse neuropilin-1. In immunocytochemistry, this antibody co-localizes with anti-HA in Cos-7 cells transfected with HA-tagged mouse neuropilin-1.
Purity/Purification	Affinity Purified
Form/Format	Rabbit polyclonal, affinity-purified antibody is supplied in 100 ul phosphate-buffered saline, 50% glycerol, 1 mg/ml BSA, and 0.05% sodium azide.
Sequence Length	923
Applicable Applications for anti-NRP1 antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen	Neuropilin-1 synthetic peptide (coupled to carrier protein) corresponding to amino acids within the a1 CUB domain of human neuropilin-1. This sequence is highly conserved in rat and mouse neuropilin-1, and has low homology to neuropilin-2.
Preparation and Storage	Store at -20 degree C. Do not aliquot. Stable for 1 year.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-NRP1 antibody	Neuropilins are transmembrane proteins that contain two CUB domains (a1 and a2), two coagulation factor-like domains (b1 and b2), and a MAM domain in the extracellular region. These proteins have short cytoplasmic domains that include a PDZ-binding motif. The neuropilin (NRP) family includes NRP-1, NRP-2A, and NRP-2B. NRP-1 has been implicated as a receptor involved in axon guidance and VEGF signaling. NRP-1 mediates activation of intracellular signaling pathways through interaction with its coreceptors, Plexin-A1 and VEGFRs. The expression of NRP-1, along with the co-receptor Plexin-A1, is upregulated in neurons after central nervous system injury. The axons from these neurons cannot cross semaphorin 3A-containing regions at the site of injury. Thus, semaphorin 3A and its co-receptors, Plexin-A1 and Neuropilin-1, may have significant roles in axon regeneration after neuronal injury.
References	• He, Z. & Tessier-Lavigne, M. (1997) Cell 90:739. • Nakamura, F. & Goshima, Y. (2002) Adv Exp Med Biol. 515:55. • Takahashi, T. et al. (1999) Cell 99:59. • Saban, M.R. et al. (2008) Am J Phys Renal Phys 295(1):F60 (ICC: H. Urothelium)

NCBI AND UNIPROT INFORMATION

NCBI GI #	182508169
NCBI GeneID	8829
NCBI Accession #	NP_003864.4
NCBI GenBank Nucleotide #	NM_003873.5
UniProt Accession #	O14786; O60461; Q5T7F2; Q5T7F3; Q86T59; Q96IH5; B0LPG9; Q59F20; Q5JWQ0; Q5JWQ1; Q5JWQ2; Q5JWQ4; Q5JWQ5; Q5JWQ6; Q5T7F0; Q5T7F1
Molecular Weight	102976 Da
NCBI Official Full Name	neuropilin-1 isoform a
NCBI Official Synonym Full Names	neuropilin 1
NCBI Official Symbol	NRP1
NCBI Official Synonym Symbols	NP1; NRP; BDCA4; CD304; VEGF165R; DKFZp781F1414; DKFZp686A03134
NCBI Protein Information	neuropilin-1; OTTHUMP00000020818; OTTHUMP00000020819; OTTHUMP00000020820; OTTHUMP00000020821; OTTHUMP00000020822; transmembrane receptor; vascular endothelial cell growth factor 165 receptor
UniProt Protein Name	Neuropilin-1
UniProt Gene Name	NRP1
UniProt Synonym Gene Names	NRP; VEGF165R
UniProt Entry Name	NRP1_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/neuropilin-1-a1-cub-domain-antibody-immunocytochemistry-western-blot-elisa/71524>