

anti-Human, Rat Neuropilin 1 Polyclonal Antibody | anti-NRP1 antibody

Anti-Neuropilin 1 Antibody

CATALOG # AAA46527	REACTIVITY Human, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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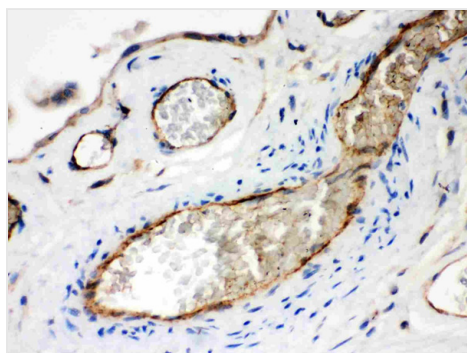
PRODUCT SYNONYMS

Neuropilin 1; Polyclonal Antibody; Anti-Neuropilin 1 Antibody; Neuropilin-1; A5 protein; BDCA4; BLOOD DENDRITIC CELL ANTIGEN 4; CD 304; CD304; DKFZp686A03134; DKFZp781F1414; Neuropilin1; Neuropilin1 transmembrane receptor; NP1; NPN1; NRP 1; NRP; NRP1; NRP1_HUMAN; Vascular endothelial cell growth factor 165 receptor; VEGF165R; neuropilin 1; anti-NRP1 antibody

PRODUCT SPECIFICATIONS

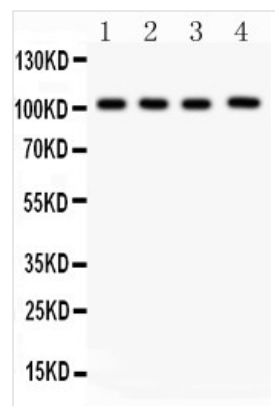
Reactivity	Human, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ N.
Sequence Length	644
Applicable Applications for anti-NRP1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Neuropilin 1 recombinant protein (Position: K504-T827). Human Neuropilin 1 shares 95% and 94% amino acid (aa) sequences identity with mouse and rat Neuropilin 1, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti-Neuropilin-1 Picoband antibody, AAA46527, IHC(P)IHC(P): Human Placenta Tissue



WB (Western Blot)

Anti-Neuropilin-1 Picoband antibody, AAA46527, Western blottingAll lanes: Anti Neuropillin-1 (AAA46527) at 0.5ug/mlLane 1: U87 Whole Cell Lysate at 40ugLane 2: A549 Whole Cell Lysate at 40ugLane 3: Human Placenta Tissue Lysate at 50ugLane 4: Rat Cardiac Muscle Tissue Lysate at 50ugPredicted bind size: 103KDObserved bind size: 103KD

ADDITIONAL INFORMATION

Related Product Information for anti-NRP1 antibody	Description: Rabbit IgG polyclonal antibody for Neuropilin-1(NRP1) detection. Tested with WB, IHC-P in Human;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 contain 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.
References	1. Gagnon, M. L., Bielenberg, D. R., Gechtman, Z., Miao, H.-Q., Takashima, S., Soker, S., Klagsbrun, M. Identification of a natural soluble neuropilin-1 that binds vascular endothelial growth factor: in vivo expression and antitumor activity. Proc. Nat. Acad. Sci. 97: 2573-2578, 2000. 2. Gu, C., Rodriguez, E. R., Riemert, D. V., Shu, T., Fritsch, B., Richards, L. J., Kolodkin, A. L., Ginty, D. D. Neuropilin-1 conveys semaphorin and VEGF signaling during neural and cardiovascular development. Dev. Cell 5: 45-57, 2003.

NCBI AND UNIPROT INFORMATION

NCBI GI #	66912178
NCBI GeneID	8829
NCBI Accession #	NP_001019799.1
NCBI GenBank Nucleotide #	NM_001024628.2
UniProt Accession #	O14786; O60461; Q5T7F1; Q5T7F2; Q5T7F3; Q86T59; Q96I90; Q96IH5; B0LPG9
NCBI Official Full Name	neuropilin-1 isoform b
NCBI Official Synonym Full Names	neuropilin 1
NCBI Official Symbol	NRP1
NCBI Official Synonym Symbols	NP1; NRP; BDCA4; CD304; VEGF165R
NCBI Protein Information	neuropilin-1
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/neuropilin-1-antibody-immunohistochemistry-western-blot-elisa/46527>