

Anti-Neuropilin 1/NRP1 Antibody Picoband™

Catalog Number: PB9300

About NRP1

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.

Overview

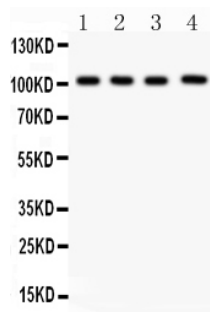
Product Name	Anti-Neuropilin 1/NRP1 Antibody Picoband™
Reactive Species	Human, Rat
Description	Boster Bio Anti-Neuropilin 1/NRP1 Antibody Picoband™ catalog # PB9300. Tested in IHC, WB applications. This antibody reacts with Human, Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O14786

Technical Details

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.
Predicted Reactive Species	Chicken
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG

Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, By Heat</p> <p>Western blot, 0.1-0.5ug/ml, Human, Rat</p>

Anti-Neuropilin 1/NRP1 Antibody Picoband™ (PB9300) Images



Anti-Neuropillin-1 Picoband antibody, PB9300, Western blotting

All lanes: Anti Neuropillin-1 (PB9300) at 0.5ug/ml

Lane 1: U87 Whole Cell Lysate at 40ug

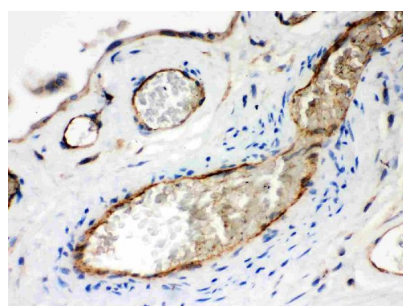
Lane 2: A549 Whole Cell Lysate at 40ug

Lane 3: Human Placenta Tissue Lysate at 50ug

Lane 4: Rat Cardiac Muscle Tissue Lysate at 50ug

Predicted bind size: 103KD

Observed bind size: 103KD



Anti-Neuropillin-1 Picoband antibody, PB9300, IHC(P)

IHC(P): Human Placenta Tissue

1 Publications Citing This Product

1. PubMed ID: 26877777, Dual Receptor Recognizing Cell Penetrating Peptide for Selective Targeting, Efficient Intratumoral Diffusion and Synthesized Anti-Glioma Therapy

Visit bosterbio.com/anti-neuropilin-1-picoband-trade-antibody-pb9300-boster.html to see all 1 publications.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Neuropilin 1/NRP1 Antibody™