

## 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

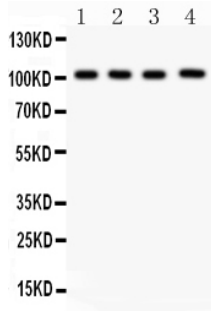
Product Name	Anti-Neuropilin 1/NRP1 Antibody Picoband®
Reactive Species	Human, Rat
Description	Boster Bio Anti-Neuropilin 1/NRP1 Antibody Picoband® catalog # PB9300. Tested in IHC, WB applications. This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , and 0.05 mg NaN <sub>3</sub> . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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

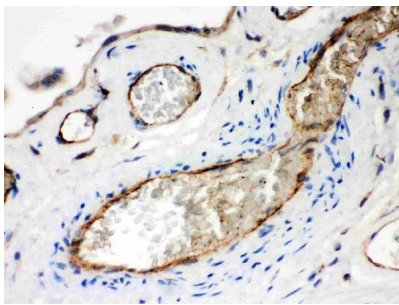
Immunogen	E.coli-derived human Neuropilin 1 recombinant protein (Position: K504-T827). Human Neuropilin 1 shares 95% and 94% amino acid (aa) sequences identity with mouse and rat Neuropilin 1, respectively.
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Recommended Detection Systems	Boster recommends 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	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human Western blot, 0.1-0.5ug/ml, Human, Rat

## 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](https://bosterbio.com/anti-neuropilin-1-picoband-trade-antibody-pb9300-boster.html) to see all 1 publications.

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Anti-Neuropilin 1/NRP1 Antibody

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