BOSTER BIOLOGICAL TECHNOLOGY
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Anti-NETO1 Antibody Picoband®

Catalog Number: A08303-1

About NETO1

Neuropilin (NRP) and tolloid (TLL)-like 1 is a protein that in humans is encoded by the NETO1 gene. This gene encodes a transmembrane protein containing two extracellular CUB domains followed by a low-density lipoprotein class A (LDLa) domain. This protein is thought to play a critical role in spatial learning and memory by regulating the function of synaptic N-methyl-D-aspartic acid receptor complexes in the hippocampus. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

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Overview

Product Name	Anti-NETO1 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-NETO1 Antibody Picoband® catalog # A08303-1. Tested in WB, ELISA applications. This antibody reacts with Human, Mouse, 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	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage Instructions	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 freezing and thawing.
Host	Rabbit
Uniprot ID	Q8TDF5

Technical Details

Immunogen	E.coli-derived human NETO1 recombinant protein (Position: R5-R514). Human NETO1 shares 95.7% amino acid (aa) sequence identity with mouse NETO1.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western

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	blot.
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human, Mouse, Rat ELISA, 0.1-0.5 ug/ml, -

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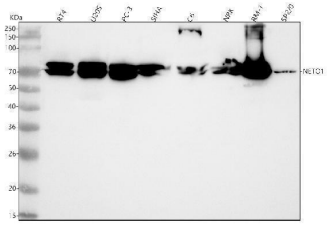
Anti-NETO1 Antibody Picoband® (A08303-1) Images



Western blot analysis of NETO1 using anti-NETO1 antibody (A08303-1). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human RT4 whole cell lysates, Lane 2: human U20S whole cell lysates, Lane 3: human PC-3 whole cell lysates, Lane 4: human SIHA whole cell lysates, Lane 5: rat C6 whole cell lysates, Lane 6: rat NRK whole cell lysates, Lane 7: mouse RM-1 whole cell lysates, Lane 8: mouse SP2/0 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NETO1 antigen affinity purified polyclonal antibody (Catalog # A08303-1) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for NETO1 at approximately 70 kDa. The expected band size for NETO1 is at 60 kDa.

Anti-NETO1 Antibody

For Research Use Only. Not for use in diagnostic procedures.