

Anti-ROBO4 Antibody Picoband®

Catalog Number: A04479-2

About ROBO4

Roundabout homolog 4 is a protein that in humans is encoded by the ROBO4 gene. Predicted to enable cell-cell adhesion mediator activity. Involved in angiogenesis and establishment of endothelial barrier. Located in extracellular exosome. Implicated in aortic valve disease 3.

Overview

Product Name	Anti-ROBO4 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ROBO4 Antibody Picoband® catalog # A04479-2. Tested in ELISA, WB 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 Na ₂ HPO ₄ .
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	Q8WZ75

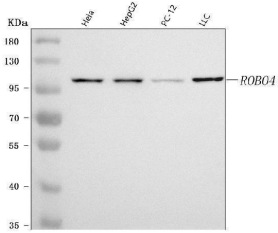
Technical Details

Immunogen	E.coli-derived human ROBO4 recombinant protein (Position: D108-A933).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
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 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, -

Anti-ROBO4 Antibody Picoband® (A04479-2) Images



Western blot analysis of ROBO4 using anti-ROBO4 antibody (A04479-2). 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 HeLa whole cell lysates, Lane 2: human HepG2 whole cell lysates, Lane 3: rat PC-12 whole cell lysates, Lane 4: mouse LLC 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-ROBO4 antigen affinity purified polyclonal antibody (Catalog # A04479-2) 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 ROBO4 at approximately 107 kDa. The expected band size for ROBO4 is at 90-170 kDa.

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Anti-ROBO4 Antibody

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