BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Tlr2 Antibody Picoband®

Catalog Number: A00131-4

About Tlr2

Toll-like receptor 2 also known as TLR2 is a protein that in humans is encoded by the TLR2 gene. Enables lipoteichoic acid binding activity and peptide binding activity. Involved in several processes, including negative regulation of cellular component organization; positive regulation of cytokine production; and positive regulation of macromolecule biosynthetic process. Acts upstream of or within several processes, including pattern recognition receptor signaling pathway; regulation of cytokine production; and response to bacterium. Located in external side of plasma membrane. Part of Toll-like receptor 2-Toll-like receptor 6 protein complex. Is expressed in several structures, including brain; early embryo; genitourinary system; gut; and immune system. Human ortholog(s) of this gene implicated in several diseases, including autoimmune disease (multiple); dermatitis (multiple); gastrointestinal system cancer (multiple); lung disease (multiple); and rhinitis (multiple). Orthologous to human TLR2 (toll like receptor 2).

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Overview

Product Name	Anti-Tlr2 Antibody Picoband®
Reactive Species	Mouse
Description	Boster Bio Anti-Tlr2 Antibody Picoband® catalog # A00131-4. Tested in ELISA, WB applications. This antibody reacts with Mouse. 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	Q9QUN7

Technical Details

BOSTER
antibody and ELISA experts

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Immunogen	E.coli-derived mouse Tlr2 recombinant protein (Position: K20-K683).
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, Mouse ELISA, 0.1-0.5 ug/ml, -

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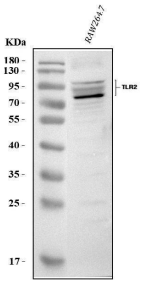
Anti-Tlr2 Antibody Picoband® (A00131-4) Images



Western blot analysis of Tlr2 using anti-Tlr2 antibody (A00131-4). 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: mouse RAW264.7 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-Tlr2 antigen affinity purified polyclonal antibody (Catalog # A00131-4) 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 Tlr2 at approximately 89 kDa. The expected band size for Tlr2 is at 89 kDa.

Anti-Tlr2 Antibody

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