BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Tlr5 Antibody Picoband®

Catalog Number: A00462-2

About Tlr5

Toll-like receptor 5, also known as TLR5, is a protein which in humans is encoded by the TLR5 gene. Predicted to enable interleukin-1 receptor binding activity and signaling receptor activity. Predicted to be involved in several processes, including positive regulation of interleukin-8 production; positive regulation of nitric oxide biosynthetic process; and positive regulation of toll-like receptor signaling pathway. Predicted to act upstream of or within innate immune response. Predicted to be located in membrane. Predicted to be integral component of plasma membrane. Is expressed in brain; olfactory epithelium; spinal cord; and trunk unsegmented mesenchyme. Human ortholog(s) of this gene implicated in Legionnaires' disease; cystic fibrosis; cystitis; melioidosis; and systemic lupus erythematosus. Orthologous to human TLR5 (toll like receptor 5).

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Overview

Product Name	Anti-Tlr5 Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-Tlr5 Antibody Picoband® catalog # A00462-2. Tested in ELISA, WB applications. This antibody reacts with 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	Q9JLF7

Technical Details

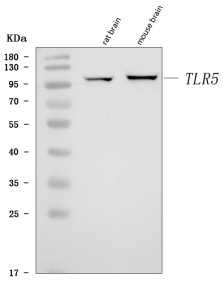
Immunogen	E.coli-derived mouse Tlr5 recombinant protein (Position: Q81-D766).

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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, Rat ELISA, 0.1-0.5 ug/ml, -

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Anti-Tlr5 Antibody Picoband® (A00462-2) Images



Western blot analysis of Tlr5 using anti-Tlr5 antibody (A00462-2). 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: rat brain tissue lysates, Lane 2: mouse brain tissue 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-Tlr5 antigen affinity purified polyclonal antibody (Catalog # A00462-2) 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 Tlr5 at approximately 100 kDa. The expected band size for Tlr5 is at 98 kDa.

Anti-Tlr5 Antibody

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