

Anti-Orai2 Antibody Picoband®

Catalog Number: A07411-1

About ORAI2

Protein orai-2 is a protein that in humans is encoded by the ORAI2 gene. Orai2 transcripts are predominantly expressed in kidney, lung, and spleen, and it appears that Orai2 is the only Orai isoform with multiple transcripts. Co-expression of Orai2 and STIM1 was shown to produce currents that appear similar but smaller than those produced by co-expression of Orai1 and STIM1.

Overview

Product Name	Anti-Orai2 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-Orai2 Antibody Picoband® catalog # A07411-1. Tested in ELISA, WB applications. This antibody reacts with Human. 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 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.01mg Na ₃ .
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	Q96SN7

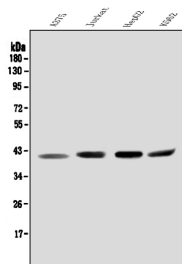
Technical Details

Immunogen	E.coli-derived human Orai2 recombinant protein (Position: H21-L254).
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 ug/ml.
Purification	Immunogen affinity purified.

Suggested Dilutions

Western blot, 0.25-0.5ug/ml, Human
ELISA, 0.1-0.5ug/ml, -

Anti-Orai2 Antibody Picoband® (A07411-1) Images



Western blot analysis of Orai2 using anti-Orai2 antibody (A07411-1). 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 30ug of sample under reducing conditions. Lane 1: human A375 whole cell lysates, Lane 2: human Jurkat whole cell lysates, Lane 3: human HepG2 whole cell lysates, Lane 4: human K562 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA 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-Orai2 antigen affinity purified polyclonal antibody (Catalog # A07411-1) 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 Orai2 at approximately 39KD. The expected band size for Orai2 is at 39KD.

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