

Anti-EFTUD1/EFL1 Antibody Picoband®

Catalog Number: A07093-1

About EFL1

Enables GTPase activity and ribosome binding activity. Involved in GTP metabolic process and cytosolic ribosome assembly. Predicted to be part of ribonucleoprotein complex. Predicted to be active in cytosol. Implicated in Shwachman-Diamond syndrome.

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Overview

Product Name	Anti-EFTUD1/EFL1 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-EFTUD1/EFL1 Antibody Picoband® catalog # A07093-1. Tested in WB, ICC/IF, 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, IF, ICC, 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	Q7Z2Z2

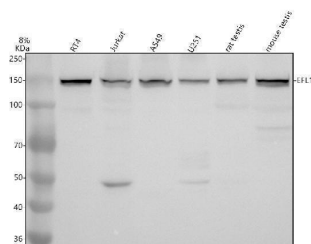
Technical Details

Immunogen	E.coli-derived human EFTUD1/EFL1 recombinant protein (Position: E188-D932).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.

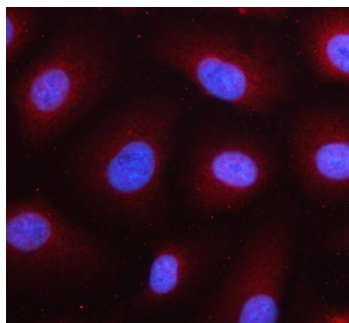
Suggested Dilutions

Western blot, 0.25-0.5 ug/ml, Human, Mouse, Rat
Immunocytochemistry/Immunofluorescence, 5 ug/ml, Human
ELISA, 0.1-0.5 ug/ml

Anti-EFTUD1/EFL1 Antibody Picoband® (A07093-1) Images



Western blot analysis of EFTUD1/EFL1 using anti-EFTUD1/EFL1 antibody (A07093-1). Electrophoresis was performed on a 8% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 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 Jurkat whole cell lysates, Lane 3: human A549 whole cell lysates, Lane 4: human U251 whole cell lysates, Lane 5: rat testis tissue lysates, Lane 6: mouse testis 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-EFTUD1/EFL1 antigen affinity purified polyclonal antibody (A07093-1) 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 ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for EFTUD1/EFL1 at approximately 150 kDa. The expected band size for EFTUD1/EFL1 is at 125 kDa.



IF analysis of EFTUD1/EFL1 using anti-EFTUD1/EFL1 antibody (A07093-1). EFTUD1/EFL1 was detected in an immunocytochemical section of A549 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-EFTUD1/EFL1 Antibody (A07093-1) overnight at 4°C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

Anti-EFTUD1/EFL1 Antibody

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