BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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# Anti-DDX59 Antibody Picoband®

**Catalog Number:** A12681-1

## About DDX59

Predicted to enable RNA helicase activity and mRNA binding activity. Predicted to be located in cytoplasm; membrane; and nucleus. Implicated in orofaciodigital syndrome V.

## Overview

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|---|---|
| Product Name | Anti-DDX59 Antibody Picoband® |
| Reactive Species | Human |
| Description | Boster Bio Anti-DDX59 Antibody Picoband® catalog # A12681-1. Tested in WB, ICC, IF, ELISA 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, IF, ICC, 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 | Q5T1V6 |

## Technical Details

| | |
|---|---|
| Immunogen | E.coli-derived human DDX59 recombinant protein (Position: K8-I609). |
| 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<br>Immunocytochemistry/Immunofluorescence, 5 ug/ml, Human<br>ELISA, 0.1-0.5 ug/ml |

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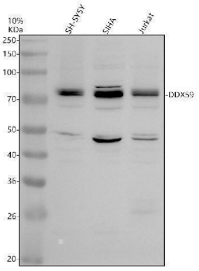
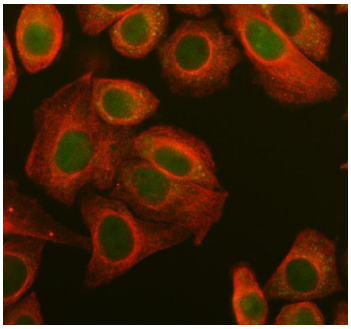
# Anti-DDX59 Antibody Picoband® (A12681-1) Images




Western blot analysis of DDX59 using anti-DDX59 antibody (A12681-1). Electrophoresis was performed on a 10% 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 SH-SY5Y whole cell lysates, Lane 2: human SIHA whole cell lysates, Lane 3: human Jurkat 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-DDX59 antigen affinity purified polyclonal antibody (A12681-1) 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 DDX59 at approximately 75 kDa. The expected band size for DDX59 is at 69 kDa.



IF analysis of DDX59 using anti-DDX59 antibody (A12681-1) and anti-Alpha Tubulin antibody (M03989-3). DDX59 was detected in an immunocytochemical section of SIHA 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-DDX59 Antibody (A12681-1) and mouse anti-Alpha Tubulin antibody (M03989-3) overnight at 4°C. Fluoro488 Conjugated Goat Anti-Rabbit IgG (BA1127) and Cy3 Conjugated Goat Anti-Mouse IgG (BA1031) were 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-DDX59 Antibody

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