

## Anti-ENDOD1 Antibody Picoband®

Catalog Number: A14829-1

### About ENDOD1

Predicted to enable endonuclease activity; metal ion binding activity; and nucleic acid binding activity. Predicted to be involved in innate immune response. Located in extracellular exosome and membrane.

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## Overview

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-ENDOD1 Antibody Picoband®                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Reactive Species     | Human                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Description          | Boster Bio Anti-ENDOD1 Antibody Picoband® catalog # A14829-1. Tested in WB, IHC, ICC, IF, Flow Cytometry, 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, Flow Cytometry, IF, IHC, ICC, WB                                                                                                                                                                                                                                                                                                                                                                                                          |
| Clonality            | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Formulation          | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                                                                                                                                                                                                                                                        |
| 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           | O94919                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Technical Details

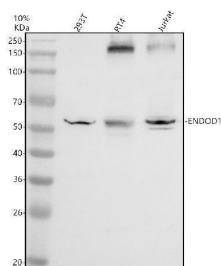
|               |                                                                           |
|---------------|---------------------------------------------------------------------------|
| Immunogen     | E.coli-derived human ENDOD1 recombinant protein (Position: A49-K300).     |
| Form          | Lyophilized                                                               |
| Concentration | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. |
| Purification  | Immunogen affinity purified.                                              |

Suggested Dilutions

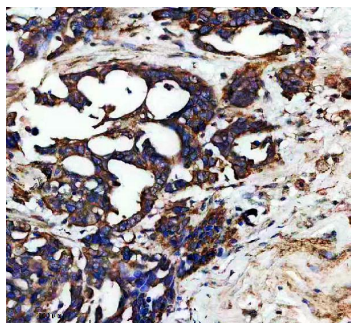
Western blot, 0.25-0.5 ug/ml, Human  
Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Human  
Immunocytochemistry/Immunofluorescence, 5 ug/ml, Human  
Flow Cytometry (Fixed), 1-3 ug/1x10<sup>6</sup> cells, Human  
ELISA, 0.1-0.5 ug/ml

Note: For flow cytometry (FCM), validated for fixed cells only. Not validated for FACS or surface flow cytometry using live cells.

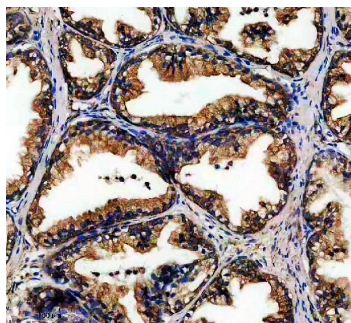
## Anti-ENDOD1 Antibody Picoband® (A14829-1) Images



Western blot analysis of ENDOD1 using anti-ENDOD1 antibody (A14829-1). 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 293T whole cell lysates, Lane 2: human RT4 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-ENDOD1 antigen affinity purified polyclonal antibody (A14829-1) 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 ENDOD1 at approximately 55 kDa. The expected band size for ENDOD1 is at 55 kDa.

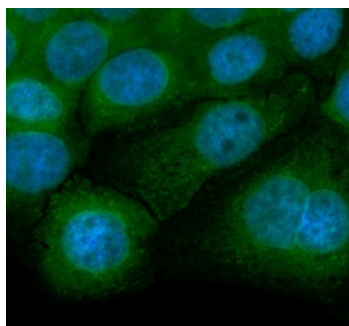


IHC analysis of ENDOD1 using anti-ENDOD1 antibody (A14829-1). ENDOD1 was detected in a paraffin-embedded section of human ovarian cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-ENDOD1 Antibody (A14829-1) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

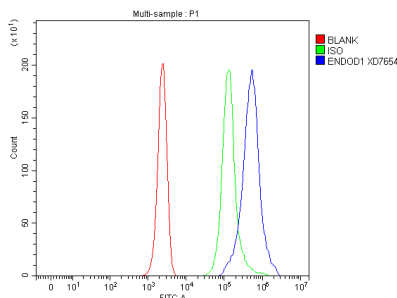


IHC analysis of ENDOD1 using anti-ENDOD1 antibody (A14829-1). ENDOD1 was detected in a paraffin-embedded section of human prostatic hyperplasia tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-ENDOD1 Antibody (A14829-1) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

IF analysis of ENDOD1 using anti-ENDOD1 antibody (A14829-1). ENDOD1 was detected in an immunocytochemical section of HaCat 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-ENDOD1 Antibody (A14829-1) overnight at 4°C. Fluoro488 Conjugated Goat Anti-Rabbit IgG (BA1127) 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.



Flow Cytometry analysis of Jurkat cells using anti-ENDOD1 antibody (A14829-1). Overlay histogram showing Jurkat cells stained with A14829-1 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-ENDOD1 Antibody (A14829-1, 1 ug/1x10<sup>6</sup> cells) for 30 min at 20°C. Fluoro488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x10<sup>6</sup> cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

### Anti-ENDOD1 Antibody

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