

## Anti-PATE1 Antibody Picoband®

Catalog Number: A14959

### About PATE1

Predicted to enable acetylcholine receptor regulator activity. Predicted to be involved in regulation of neurotransmitter receptor activity. Predicted to be located in extracellular region.

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## Overview

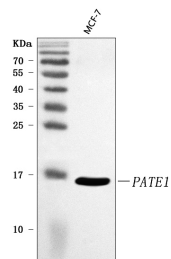
|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-PATE1 Antibody Picoband®                                                                                                                                                                                                                                                                                                                                                                                                   |
| Reactive Species     | Human                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Description          | Boster Bio Anti-PATE1 Antibody Picoband® catalog # A14959. Tested in ELISA, Flow Cytometry, 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, Flow Cytometry, 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           | Q8WXA2                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Technical Details

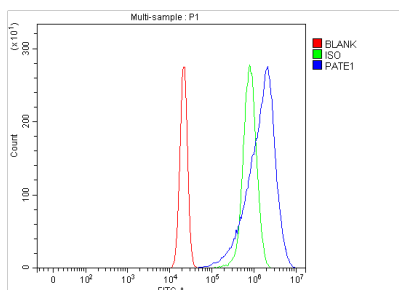
|                               |                                                                                                 |
|-------------------------------|-------------------------------------------------------------------------------------------------|
| Immunogen                     | E.coli-derived human PATE1 recombinant protein (Position: S22-L126).                            |
| 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 | <p>Western blot, 0.1-0.25 ug/ml, Human<br/>Flow Cytometry (Fixed), 1-3 ug/1x10<sup>6</sup> cells, Human<br/>ELISA, 0.1-0.5 ug/ml, -</p> <p>Note: For flow cytometry (FCM), validated for fixed cells only. Not validated for FACS or surface flow cytometry using live cells.</p> |

## Anti-PATE1 Antibody Picoband® (A14959) Images



Western blot analysis of PATE1 using anti-PATE1 antibody (A14959). 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: human MCF-7 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-PATE1 antigen affinity purified polyclonal antibody (Catalog # A14959) at 0.25 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 PATE1 at approximately 14 kDa. The expected band size for PATE1 is at 14 kDa.



Flow Cytometry analysis of U2OS cells using anti-PATE1 antibody (A14959). Overlay histogram showing U2OS cells stained with A14959 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-PATE1 Antibody (A14959, 1 ug/1x10<sup>6</sup> cells) for 30 min at 20°C. DyLight®488 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-PATE1 Antibody

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