

## Anti-MIB2 Antibody Picoband®

Catalog Number: A07098-1

### About MIB2

The protein encoded by this gene is an E3 ubiquitin protein ligase that mediates ubiquitination of proteins in the Notch signaling pathway. The encoded protein may be a suppressor of melanoma invasion.

### Overview

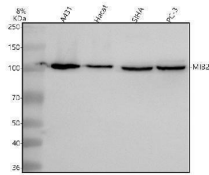
Product Name	Anti-MIB2 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-MIB2 Antibody Picoband® catalog # A07098-1. Tested in WB, IP, Flow Cytometry, ELISA applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior 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, IP, 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	Q96AX9

### Technical Details

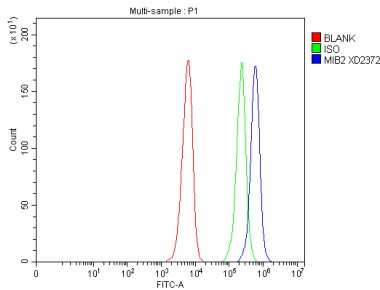
Immunogen	E.coli-derived human MIB2 recombinant protein (Position: A71-I572). Human MIB2 shares 90.3% and 89.7% amino acid (aa) sequence identity with mouse and rat MIB2, respectively.
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human Immunoprecipitation, 0.5-2 ug/ml, Human Flow Cytometry (Fixed), 1-3 ug/1x10 <sup>6</sup> cells, Human ELISA, 0.1-0.5 ug/ml



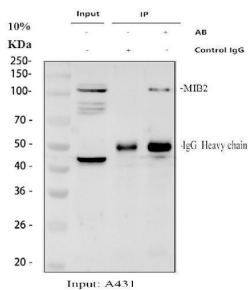
## Anti-MIB2 Antibody Picoband® (A07098-1) Images



Western blot analysis of MIB2 using anti-MIB2 antibody (A07098-1). 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 A431 whole cell lysates, Lane 2: human Hacat whole cell lysates, Lane 3: human SIHA whole cell lysates, Lane 4: human PC-3 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-MIB2 antigen affinity purified polyclonal antibody (A07098-1) 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 MIB2 at approximately 110 kDa. The expected band size for MIB2 is at 110 kDa.



Flow Cytometry analysis of SiHa cells using anti-MIB2 antibody (A07098-1). Overlay histogram showing SiHa cells stained with A07098-1 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-MIB2 Antibody (A07098-1, 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.



Immunoprecipitating (IP) MIB2 in A431 whole cell lysate. Western blot analysis of MIB2 using anti-MIB2 antibody (A07098-1); Lane 1: A431 whole cell lysates (30ug); Lane 2: Rabbit control IgG instead of anti-MIB2 antibody in A431 whole cell lysate; Lane 3: anti-MIB2 antibody (2ug) + A431 whole cell lysate (500ug). After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-MIB2 antigen affinity purified polyclonal antibody (A07098-1) at a dilution of 0.5 ug/mL and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1196-200). A specific band was detected for MIB2 at approximately 110 kDa. The expected band size for MIB2 is at 110 kDa.

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### Anti-MIB2 Antibody

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