BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Mib1/Mindbomb Antibody Picoband®

Catalog Number: A01387-1

About MIB1

E3 ubiquitin-protein ligase MIB1 is an enzyme that in humans is encoded by the MIB1 gene. It is mapped to 18q11.2. This gene encodes a protein containing multiple ankyrin repeats and RING finger domains that functions as an E3 ubiquitin ligase. The encoded protein positively regulates Notch signaling by ubiquitinating the Notch receptors, thereby facilitating their endocytosis. This protein may also promote the ubiquitination and degradation of death-associated protein kinase 1 (DAPK1).

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Overview

Product Name	Anti-Mib1/Mindbomb Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Mib1/Mindbomb Antibody Picoband® catalog # A01387-1. Tested in ELISA, WB 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, WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Storage Instructions	Store 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 freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q86YT6

Technical Details

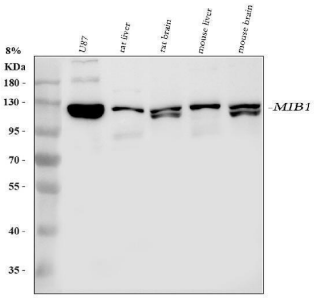
Immunogen	E. coli-derived human Mib1 Mindbomb recombinant protein (Position: H465-E732).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.

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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 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml ELISA, 0.1-0.5ug/ml

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Anti-Mib1/Mindbomb Antibody Picoband® (A01387-1) Images



Western blot analysis of Mib1 using anti-Mib1 antibody (A01387-1). 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 U87 whole cell lysates, Lane 2: rat liver tissue lysates, Lane 3: rat brain tissue lysates, Lane 4: mouse liver tissue lysates, Lane 5: mouse brain 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-Mib1 antigen affinity purified polyclonal antibody (Catalog # A01387-1) 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 Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Mib1 at approximately 110 kDa. The expected band size for Mib1 is at 110 kDa.

Anti-Mib1/Mindbomb Antibody

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