

## Anti-ERLIN1 Antibody Picoband®

Catalog Number: A08034-3

### About ERLIN1

The protein encoded by this gene is part of a protein complex that mediates degradation of inositol 1,4,5-trisphosphate receptors in the endoplasmic reticulum. The encoded protein also binds cholesterol and regulates the SREBP signaling pathway, which promotes cellular cholesterol homeostasis. Defects in this gene have been associated with spastic paraplegia 62.

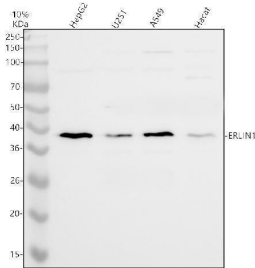
### Overview

Product Name	Anti-ERLIN1 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-ERLIN1 Antibody Picoband® catalog # A08034-3. Tested in WB, IP 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	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	O75477

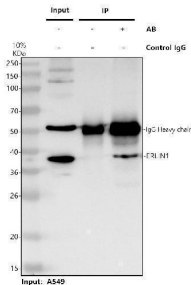
### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human ERLIN1.
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

## Anti-ERLIN1 Antibody Picoband® (A08034-3) Images



Western blot analysis of ERLIN1 using anti-ERLIN1 antibody (A08034-3). 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 HepG2 whole cell lysates, Lane 2: human U251 whole cell lysates, Lane 3: human A549 whole cell lysates, Lane 4: human Hecat 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-ERLIN1 antigen affinity purified polyclonal antibody (A08034-3) 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 ERLIN1 at approximately 39 kDa. The expected band size for ERLIN1 is at 39 kDa.



Immunoprecipitating ERLIN1 in A549 whole cell lysate. Western blot analysis of ERLIN1 using anti-ERLIN1 antibody (A08034-3). Lane 1: A549 whole cell lysates (30ug), Lane 2: Rabbit control IgG instead of anti-ERLIN1 antibody in A549 whole cell lysate, Lane 3: anti-ERLIN1 antibody (2ug) + A549 whole cell lysate (500ug). After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-ERLIN1 antigen affinity purified polyclonal antibody (A08034-3) 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 # AR1197). A specific band was detected for ERLIN1 at approximately 39 kDa. The expected band size for ERLIN1 is at 39 kDa.

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### Anti-ERLIN1 Antibody

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