

## Anti-Cip4/TRIP10 Antibody Picoband®

Catalog Number: A03963-1

### About TRIP10

Cdc42-interacting protein 4 is a protein that in humans is encoded by the TRIP10 gene. TRIP10 (thyroid hormone receptor interactor 10), also known as CIP4 (Cdc42-interacting protein 4), is a novel adaptor protein which may be involved in plasma membrane remodeling. CIP4 has been reported to negatively regulate glucose uptake by promoting GLUT4 endocytosis in muscle cells. At least five splice variants for human CIP4 have been identified, including CIP4a (CIP4), CIP4b (FELIC), CIP4c, CIPh (CIP4/2). Western blot analysis usually demonstrates a major band around 75 kDa and a weaker band about 85 kDa.

### Overview

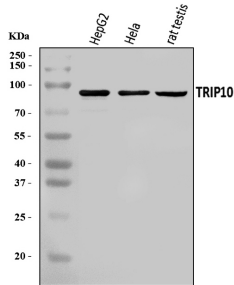
Product Name	Anti-Cip4/TRIP10 Antibody Picoband®
Reactive Species	Human, Rat
Description	Boster Bio Anti-Cip4/TRIP10 Antibody Picoband® catalog # A03963-1. Tested in ELISA, IF, ICC, WB applications. This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees 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, IF, 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	Q15642

### Technical Details

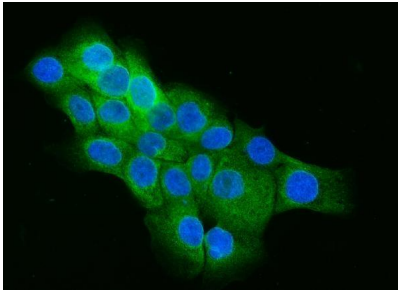
Immunogen	E.coli-derived human Cip4/TRIP10 recombinant protein (Position: M1-M182).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for ICC.
Cross Reactivity	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	Western blot, 0.25-0.5 ug/ml, Human, Rat Immunocytochemistry/Immunofluorescence, 5 ug/ml, Human ELISA, 0.1-0.5 ug/ml, -

## Anti-Cip4/TRIP10 Antibody Picoband® (A03963-1) Images



Western blot analysis of Cip4/TRIP10 using anti-Cip4/TRIP10 antibody (A03963-1). 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 HepG2 whole cell lysates, Lane 2: human HeLa whole cell lysates, Lane 3: rat testis 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-Cip4/TRIP10 antigen affinity purified polyclonal antibody (Catalog # A03963-1) 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 Cip4/TRIP10 at approximately 85 kDa. The expected band size for Cip4/TRIP10 is at 68 kDa.



IF analysis of Cip4/TRIP10 using anti-Cip4/TRIP10 antibody (A03963-1). Cip4/TRIP10 was detected in an immunocytochemical section of A431 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-Cip4/TRIP10 Antibody (A03963-1) overnight at 4°C. DyLight®488 Conjugated Goat Anti-Rabbit IgG (BA1127) was used as secondary antibody at 1:100 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.

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### Anti-Cip4/TRIP10 Antibody

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