BOSTER BIOLOGICAL TECHNOLOGY
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Anti-RNF31/HOIP Antibody Picoband®

Catalog Number: A04457-3

About RNF31

RING finger protein 31 is a protein that in humans is encoded by the RNF31 gene. It is mapped to 14q12. The protein encoded by this gene contains a RING finger, a motif present in a variety of functionally distinct proteins and known to be involved in protein-DNA and protein-protein interactions. The encoded protein is the E3 ubiquitin-protein ligase component of the linear ubiquitin chain assembly complex. Two transcript variants encoding different isoforms have been found for this gene.

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Overview

Product Name	Anti-RNF31/HOIP Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-RNF31/HOIP Antibody Picoband® catalog # A04457-3. 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	Q96EP0

Technical Details

Immunogen	E.coli-derived human RNF31/HOIP recombinant protein (Position: R970-K1072).
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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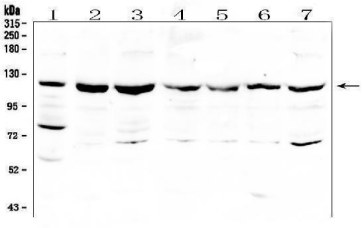
Anti-RNF31/HOIP Antibody Picoband® (A04457-3) Images



Western blot analysis of RNF31 using anti-RNF31 antibody (A04457-3). 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 50ug of sample under reducing conditions. Lane 1: human placenta tissues lysatesLane 2: human HepG2 whole cell lysatesLane 3: human PC-3 whole cell lysatesLane 4: human A549 whole cell lysatesLane 5: human U2OS whole cell lysatesLane 6: human Caco-2 whole cell lysatesLane 7: human Hela whole cell lysates After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA 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-RNF31 antigen affinity purified polyclonal antibody (Catalog # A04457-3) 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 1:10000 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 RNF31 at approximately 120KD. The expected band size for RNF31 is at 120KD.

Anti-RNF31/HOIP Antibody

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