

Anti-RING1B RNF2 Antibody

Catalog Number: A01209-1

About RNF2

RING1B (also known as BAP1 and RNF2) is one of the PcG proteins. The polycomb group (PcG) of proteins form the multiprotein complexes that are important for the transcription repression of various genes involved in development and cell proliferation. It has been shown to interact with, and suppress the activity of, transcription factor CP2 (TFCP2/CP2). Studies of the mouse counterpart suggested the involvement of this gene in the specification of anterior-posterior axis, as well as in cell proliferation in early development. This protein was also found to interact with huntingtin interacting protein 2 (HIP2), a ubiquitin-conjugating enzyme that possesses ubiquitin ligase activity. Anti-RINGB1 Antibody is useful for researchers interested in epigenetics, ubiquitin, and transcription factor research.

Overview

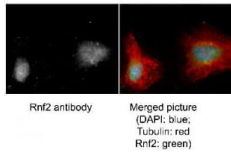
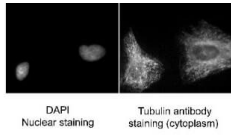
Product Name	Anti-RING1B RNF2 Antibody
Reactive Species	Human, Mouse, Chinese hamster
Description	Boster Bio Anti-RING1B RNF2 Antibody (Catalog # A01209-1). Tested in ELISA, IF, WB applications. This antibody reacts with Human, Mouse, Chinese Hamster.
Application	ELISA, IF, WB
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide
Storage Instructions	Store vial at -20°C prior to opening. Aliquot contents and freeze at -20°C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening. (Ship on dry ice.)
Host	Goat
Uniprot ID	Q99496

Technical Details

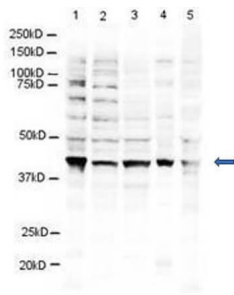
Immunogen	RING1B Antibody was prepared from whole goat serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region near aa 180-205 of human RING1B protein.
Predicted Reactive Species	African Green Monkey, Chimpanzee, Zebrafish
Isotype	IgG
Form	Liquid (sterile filtered)
Concentration	1.1 mg/mL by UV absorbance at 280 nm

Purification	Affinity purified Anti-RING1B antibody is directed against human RING1B protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest reactivity with this protein from human, chimpanzee, orangutan, mouse, rat, dog, bovine, frog and chicken based on 100% homology for the immunogen sequence. Expect cross-reactivity with RING1B from zebrafish, as only a single amino acid residue changes within the immunogen sequence (92% positive by BLAST). Cross-reactivity with RING1B homologues from other sources has not been determined.
Suggested Dilutions	ELISA: 1:5,000 - 1:25,000 IF Microscopy: 1:300 WB: 1:500 - 1:2,000 Anti-RING1B purified antibody has been tested for use in ELISA, immunofluorescence, and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 38 kDa in size corresponding to RING1B by western blotting in the appropriate cell lysate or extract.

Anti-RING1B RNF2 Antibody (A01209-1) Images



Immunofluorescence Microscopy of Goat anti-RING1B antibody. Tissue: human HeLa cells. Fixation: methanol and blocked with 0.2% fish scale gelatin for 1 hour at 25°C. Antigen retrieval: not required. Primary antibody: RING1B antibody at 1:300 for 20 minutes at 25°C. Secondary antibody: Alexa Fluor®488-conjugated Donkey anti-goat IgG secondary antibody at 1:500 for 45 min at RT. Localization: RING1B is nuclear and occasionally cytoplasmic. Staining: RING1B (RNF2) as green signal, Tubulin cytoplasm staining red, and DAPI (blue) nuclear counterstain.



Western blot using Boster's Affinity Purified anti-RING1B antibody shows detection of a 38 kDa band corresponding to human RING1B. Lane 1: 3T3 whole cell lysates . Lane 2: U937 . Lane 3: Jurkat . Lane 4: mouse brain . Lane 5: CHO-K1. Approximately 20 µg of lysate was run on a SDS-PAGE and transferred onto nitrocellulose followed by reaction with a 1:500 dilution of anti-RING1B antibody incubated at room temperature. Signal was detected using standard techniques.

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Anti-RING1B RNF2 Antibody

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