Datasheet for ABIN129557

anti-RNF2 antibody (AA 180-205)

2 Images

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Overview

Quantity:	100 µg
Target:	RNF2
Binding Specificity:	AA 180-205
Reactivity:	Human, Mouse, Chinese Hamster
Host:	Goat
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Fluorescence Microscopy (FM), Multiplex Assay (MA)

Product Details

Purpose:	RING1B Antibody
Immunogen:	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. Immunogen Type: Conjugated Peptide
Isotype:	IgG
Cross-Reactivity (Details):	Affinity purified Anti-RING1B antibody is directed against human RING1B protein.
Characteristics:	Synonyms: goat anti-RING1B Antibody, RING finger protein BAP1 antibody, DING antibody, RING finger protein 1B, E3 ubiquitin protein ligase RING 2 antibody, Huntingtin interacting protein 2 interacting protein 3 antibody, Anti-RNF2 antibody, HIP2-interacting protein 3, Protein DinG

Product Details

Purification:	The product was affinity purified from monospecific antiserum by immunoaffinity purification.
Sterility:	Sterile filtered

Target Details

Target:	RNF2
Alternative Name:	RNF2 (RNF2 Products)
Background:	Background: 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.
Gene ID:	6045, 6005747
UniProt:	Q99496

Application Details

Application Notes:	Application Note: 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. Western Blot Dilution: 1:500 - 1:2,000 ELISA Dilution: 1:5,000 - 1:25,000 IF Microscopy Dilution: 1:300 Other: User Optimized
Restrictions:	For Research Use only

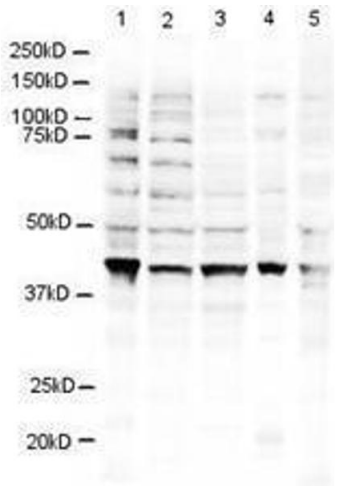
Handling

Format:	Liquid
Concentration:	1.0 mg/mL

Handling

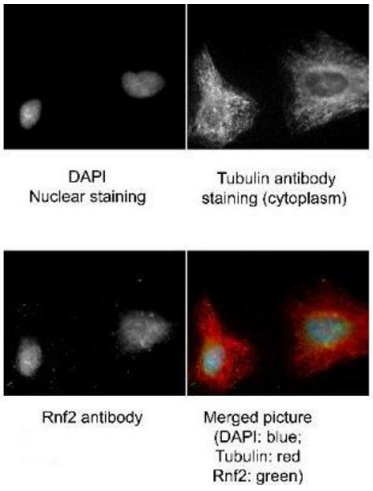
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	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.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Western blot using Affinity Purified anti-RING1B antibody shows detection of a 38 kDa band corresponding to human RING1B in 3T3 (lane 1), U937 (lane 2), Jurkat (lane 3), mouse brain (lane 4) and CHO-K1 (lane 5) cell lysates. 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 temper-ature. Signal was detected using standard techniques.



Immunofluorescence

Image 2. 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: Alexa488-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.

