

# RING1B/RNF2 Rabbit pAb

Catalog No.: A5563

2 Publications

## Basic Information

**Observed MW**

41kDa

**Calculated MW**

38kDa

**Category**

Primary antibody

**Applications**

WB, IHC-P, IF/ICC, IP, ELISA, ChIP

**Cross-Reactivity**

Human, Mouse, Rat

## Background

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. The protein encoded by this gene is one of the PcG proteins. 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), an ubiquitin-conjugating enzyme, and possess ubiquitin ligase activity.

## Recommended Dilutions

**WB** 1:500 - 1:1000**IHC-P** 1:50 - 1:200**IF/ICC** 1:50 - 1:200**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells**ELISA** Recommended starting  
concentration is 1 µg/mL.  
Please optimize the  
concentration based on  
your specific assay  
requirements.**ChIP** 5µg antibody for  
10µg-15µg of Chromatin

## Immunogen Information

**Gene ID**

6045

**Swiss Prot**

Q99496

**Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

**Synonyms**

BAP1; DING; BAP-1; HIP13; RING2; LUSYAM; RING1B; RING1B/RNF2

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Contact

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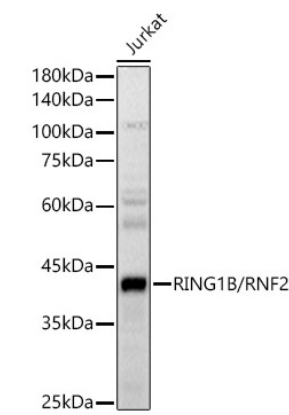
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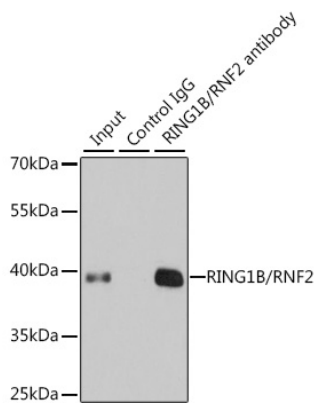
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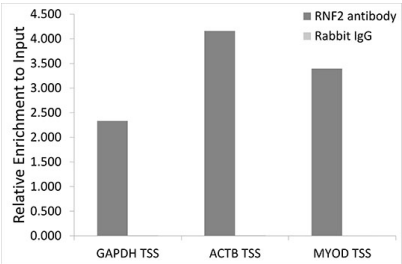
Validation Data



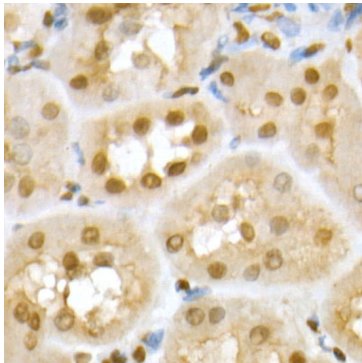
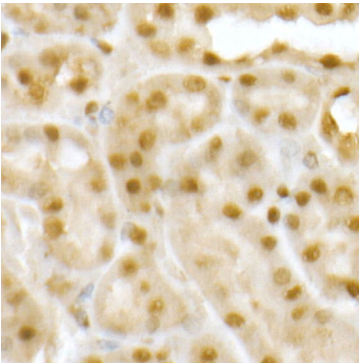
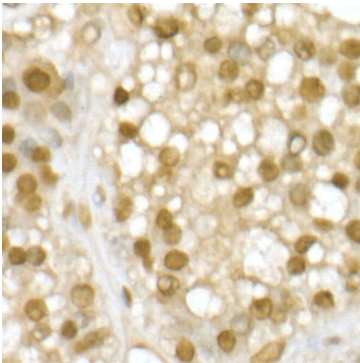
Western blot analysis of lysates from Jurkat cells, using RING1B/RNF2 Rabbit pAb (A5563) at 1:400 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



Immunoprecipitation analysis of 200 µg extracts of 293T cells using 1 µg RING1B/RNF2 antibody (A5563). Western blot was performed from the immunoprecipitate using RING1B/RNF2 antibody (A5563) at a dilution of 1:1000.



Chromatin immunoprecipitation analysis of extracts of HeLa cells, using RING1B/RNF2 antibody (A5563) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



## Validation Data

Immunohistochemistry analysis of paraffin-embedded Human liver cancer using RING1B/RNF2 Rabbit pAb (A5563) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Mouse kidney using RING1B/RNF2 Rabbit pAb (A5563) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Rat kidney using RING1B/RNF2 Rabbit pAb (A5563) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.