

Datasheet for ABIN7151119  
**anti-RNF2 antibody (AA 158-290)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µg
Target:	RNF2
Binding Specificity:	AA 158-290
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RNF2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	Recombinant Human E3 ubiquitin-protein ligase RING2 protein (158-290AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

## Target Details

Target:	RNF2
Alternative Name:	RNF2 ( <a href="#">RNF2 Products</a> )
Background:	Background: E3 ubiquitin-protein ligase that mediates monoubiquitination of '\\Lys-119\\' of histone H2A (H2AK119Ub), thereby playing a central role in histone code and gene regulation.

## Target Details

H2AK119Ub gives a specific tag for epigenetic transcriptional repression and participates in X chromosome inactivation of female mammals. May be involved in the initiation of both imprinted and random X inactivation. Essential component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones, rendering chromatin heritably changed in its expressibility. E3 ubiquitin-protein ligase activity is enhanced by BMI1/PCGF4. Acts as the main E3 ubiquitin ligase on histone H2A of the PRC1 complex, while RING1 may rather act as a modulator of RNF2/RING2 activity. In resting B- and T-lymphocytes, interaction with AURKB leads to block its activity, thereby maintaining transcription in resting lymphocytes.

Aliases: BAP 1 antibody, BAP1 antibody, DING antibody, DinG protein antibody, E3 ubiquitin protein ligase RING 2 antibody, E3 ubiquitin protein ligase RING2 antibody, E3 ubiquitin-protein ligase RING2 antibody, HIP2 interacting protein 3 antibody, HIP2-interacting protein 3 antibody, HIPI 3 antibody, HIPI3 antibody, Huntingtin interacting protein 2 interacting protein 3 antibody, Huntingtin-interacting protein 2-interacting protein 3 antibody, OTTHUMP00000060668 antibody, Polycomb M33 interacting protein Ring 1B antibody, Polycomb M33 interacting protein Ring1B antibody, Protein DinG antibody, RING 1B antibody, RING 2 antibody, RING finger protein 1B antibody, RING finger protein 2 antibody, RING finger protein BAP 1 antibody, RING finger protein BAP-1 antibody, RING finger protein BAP1 antibody, RING1b antibody, RING2\_HUMAN antibody, RNF 2 antibody, Rnf2 antibody

UniProt: [Q99496](#)

## Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000,

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be

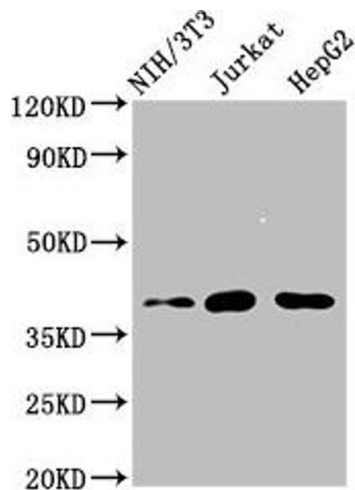
Handling

handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Western Blotting

**Image 1.** Western Blot Positive WB detected in: NIH/3T3 whole cell lysate, Jurkat whole cell lysate, HepG2 whole cell lysate All lanes: RNF2 antibody at 4 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 38, 30 kDa Observed band size: 38 kDa