

Datasheet for ABIN6242607
anti-RNF2 antibody (AA 165-199)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	RNF2
Binding Specificity:	AA 165-199
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RNF2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This mouse Rnf2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 165-199 amino acids from the Central region of mouse Rnf2.
Clone:	RB52402
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	RNF2
Alternative Name:	Rnf2 (RNF2 Products)
Background:	E3 ubiquitin-protein ligase that mediates monoubiquitination of 'Lys-119' of histone H2A

Target Details

(H2AK119Ub), thereby playing a central role in histone code and gene regulation. 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. Association to the chromosomal DNA is cell-cycle dependent. In resting B- and T-lymphocytes, interaction with AURKB leads to block its activity, thereby maintaining transcription in resting lymphocytes.

Molecular Weight:	37623
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UniProt:	Q9CQJ4
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Application Details

Application Notes:	WB: 1:1000. WB: 1:2000
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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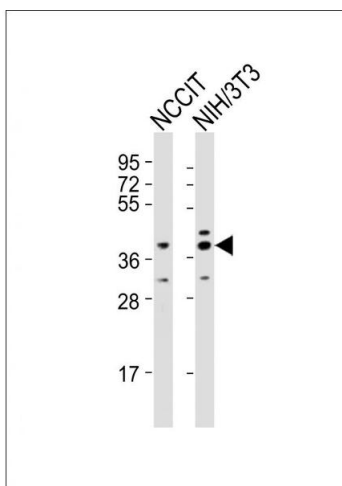
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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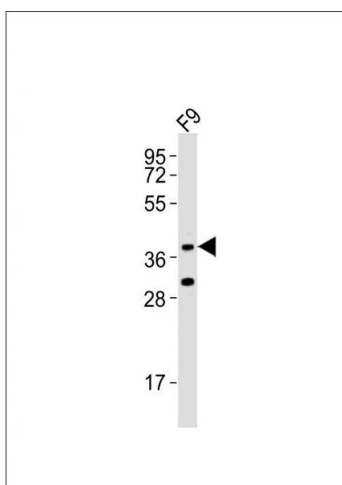
Storage:	4 °C, -20 °C
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Expiry Date:	6 months
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Western Blotting

Image 1. All lanes : Anti-Rnf2 Antibody (Center) at 1:2000 dilution Lane 1: NCCIT whole cell lysates Lane 2: NIH/3T3 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 38 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 2. Anti-Rnf2 Antibody (Center) at 1:1000 dilution + F9 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 38 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.