

Datasheet for ABIN6242609  
**anti-RNF2 antibody (AA 160-194)**



[Go to Product page](#)

1 Image

## Overview

Quantity:	400 µL
Target:	RNF2
Binding Specificity:	AA 160-194
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RNF2 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This RNF2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 160-194 amino acids from the Central region of human RNF2.
Clone:	RB51567
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 ( <a href="#">RNF2 Products</a> )
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. In resting B- and T-lymphocytes, interaction with AURKB leads to block its activity, thereby maintaining transcription in resting lymphocytes.

Molecular Weight: 37655

UniProt: [Q99496](#)

## Application Details

Application Notes: WB: 1:2000

Restrictions: For Research Use only

## Handling

Format: Liquid

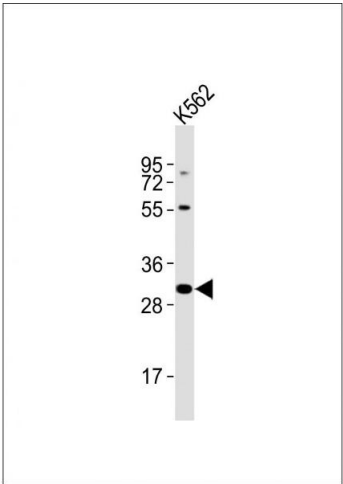
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

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

Expiry Date: 6 months



Western Blotting

**Image 1.** Anti-RNF2 Antibody (Center) at 1:2000 dilution + K562 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.