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Datasheet for ABIN6242605
anti-RING1 antibody (C-Term)

1 Image

Overview

Quantity:	400 µL
Target:	RING1
Binding Specificity:	AA 279-313, C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RING1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This RING1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 279-313 amino acids from the C-terminal region of human RING1.
Clone:	RB51604
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	RING1
Alternative Name:	RING1 (RING1 Products)

Target Details

Background: Constitutes one of the E3 ubiquitin-protein ligases that mediate monoubiquitination of 'Lys-119' of histone H2A, thereby playing a central role in histone code and gene regulation. H2A 'Lys-119' ubiquitination gives a specific tag for epigenetic transcriptional repression and participates in X chromosome inactivation of female mammals. 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. Compared to RNF2/RING2, it does not have the main E3 ubiquitin ligase activity on histone H2A, and it may rather act as a modulator of RNF2/RING2 activity.

Molecular Weight: 42429

UniProt: [Q06587](#)

Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

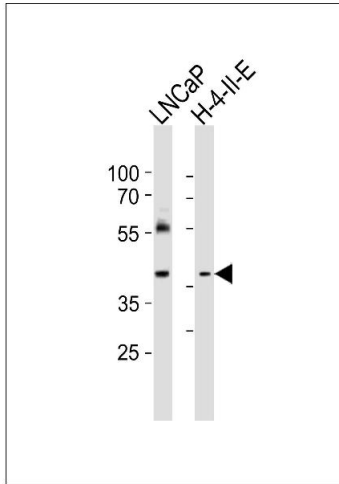
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

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. Western blot analysis of lysates from LNCaP, rat H-4-II-E cell line (from left to right), using RING1 Antibody (C-term) (ABIN6242605 and ABIN6577769). (ABIN6242605 and ABIN6577769) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20 μ g per lane.