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## 35-1797: Polyclonal Antibody to Ring1A

Clonality: Polyclonal

Application: WB

Reactivity: Human, Mouse, Rat

Gene: RING1 Gene ID: 6015 **Uniprot ID:** Q06587 Format: Purified RNF1, RING1 **Alternative Name:** Rabbit IgG Isotype:

Immunogen Information: Peptide sequence around aa.35~39( I-A-V-S-P) derived from Human Ring1A.

## **Description**

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 the Polycomb group (PcG) multiprotein PRC1 complex, a complex required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex act 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.

## **Product Info**

Amount:  $50 \mu l / 100 \mu l$ 

Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM Content:

NaCl, 0.02% sodium azide and 50% glycerol.

Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid Storage condition:

repeated freeze and thaw cycles.

## **Application Note**

Predicted MW: 58kd, Western blotting: 1:500~1:1000

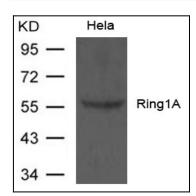


Figure 1: Western blot analysis of extract from Hela cells using Ring1A Antibody 35-1797