

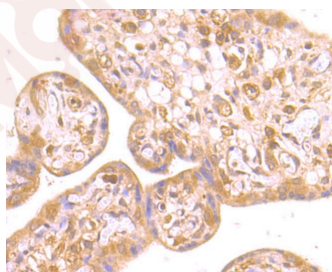
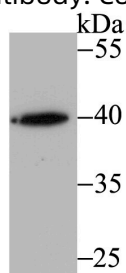
## Anti-RING2 Antibody (5I450)

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 38 kDa.
Clone:	5I450
Purification:	ProA affinity purified

### Applications

- Verified Activity:
1. Western blot analysis of RING2 on k562 cell using anti-RING2 antibody at 1/500 dilution.
  2. Immunohistochemical analysis of paraffin-embedded human placenta tissue using anti-RING2 antibody. Counter stained with hematoxylin.



Application:	IHC,WB
Recommended	WB: 1:500-1000; IHC: 1:50-200

### Properties

- Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
- Shipping: Shipping with blue ice.

### Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	Q99496
Synonyms:	Huntingtin-interacting protein 2-interacting protein 3;RING finger protein BAP1;RING1b;Protein DinG;RING finger protein BAP-1;HIP2-interacting protein 3;RNF 2;HIP2 interacting protein 3; DinG protein;RING finger protein 1B;RING finger protein 2;DING;HIPI3;E3 ubiquitin protein ligase RING2;RING2_HUMAN;E3 ubiquitin-protein ligase RING2;E3 ubiquitin protein ligase RING 2;OTTHUMP00000060668;RING 1B;BAP1;RING finger protein BAP 1;Rnf2;Polycomb M33 interacting protein Ring1B;BAP 1;Huntingtin interacting protein 2 interacting protein 3;HIPI 3; Polycomb M33 interacting protein Ring 1B;RING 2

### Research 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. 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 (Probable).

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481