

## RING2 Rabbit mAb

Catalog No: #49790

Package Size: #49790-1 50ul #49790-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

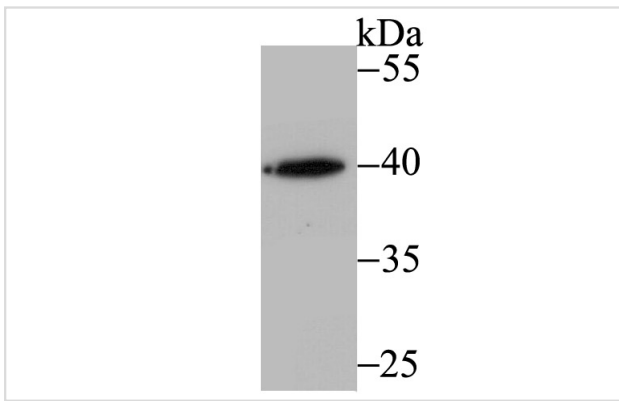
## Description

|                       |  |
|-----------------------|--|
| Product Name          | RING2 Rabbit mAb   |
| Host Species          | Recombinant Rabbit   |
| Clonality             | Monoclonal antibody  |
| Clone No.             | JB38-41  |
| Purification          | ProA affinity purified   |
| Applications          | WB,IHC   |
| Species Reactivity    | Hu, Ms, Rt   |
| Immunogen Description | Recombinant protein  |
| Other Names           | BAP 1 antibody BAP1 antibody DING antibody DinG protein antibody E3 ubiquitin protein ligase RING 2 antibody E3 ubiquitin protein ligase RING2 antibody E3 ubiquitin-protein ligase RING2 antibody HIP2 interacting protein 3 antibody HIP2-interacting protein 3 antibody HIP1 3 antibody HIP13 antibody Huntingtin interacting protein 2 interacting protein 3 antibody Huntingtin-interacting protein 2-interacting protein 3 antibody OTTHUMP00000060668 antibody Polycomb M33 interacting protein Ring 1B antibody Polycomb M33 interacting protein Ring1B antibody Protein DinG antibody RING 1B antibody RING 2 antibody RING finger protein 1B antibody RING finger protein 2 antibody RING finger protein BAP 1 antibody RING finger protein BAP-1 antibody RING finger protein BAP1 antibody RING1b antibody RING2_HUMAN antibody RNF 2 antibody Rnf2 antibody |
| Accession No.         | Swiss-Prot#:Q99496   |
| Uniprot               | Q99496   |
| GeneID                | 6045;  |
| Calculated MW         | 38 kDa   |
| Formulation           | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.   |
| Storage               | Store at -20°C   |

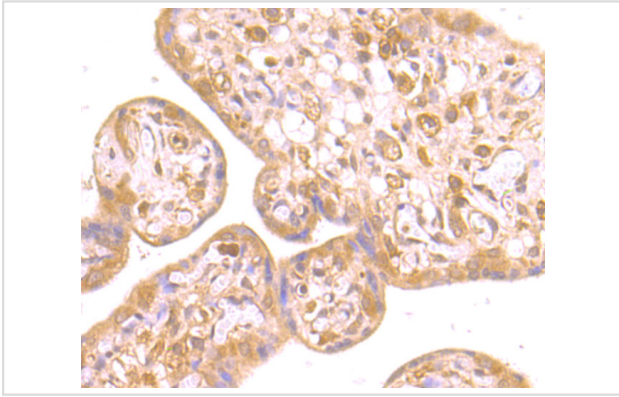
## Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200

## Images



Western blot analysis of RING2 on k562 cell using anti-RING2 antibody at 1/500 dilution.



Immunohistochemical analysis of paraffin-embedded human placenta tissue using anti-RING2 antibody. Counter stained with hematoxylin.

## 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).

## References

Note: This product is for in vitro research use only