

Ring1 Antibody

Catalog No: #48439

Package Size: #48439-1 50ul #48439-2 100ul



SAB[®]
Signalway Antibody

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

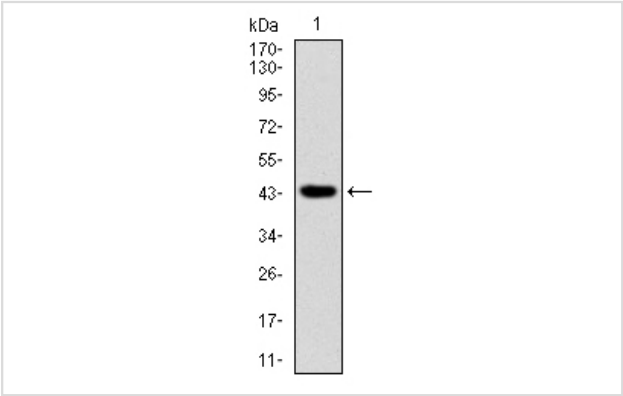
Description

Product Name	Ring1 Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	F4-C12
Purification	ProA affinity purified
Applications	WB, IHC, FC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Conjugates	Unconjugated
Other Names	Ring1A antibody E3 ubiquitin-protein ligase RING1 antibody Polycomb complex protein RING1 antibody Really interesting new gene 1 protein antibody RING finger protein 1 antibody Ring1 antibody RING1_HUMAN antibody RING1A antibody Rnf1 antibody Transcription repressor Ring1A antibody
Accession No.	Swiss-Prot#:Q06587
Calculated MW	50 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

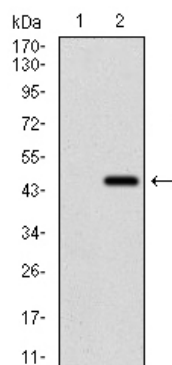
Application Details

WB: 1:500-1:1,000 IHC: 1:100-1:200 FC: 1:100-1:200

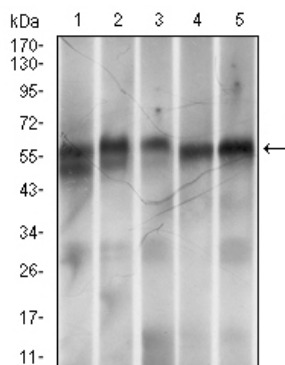
Images



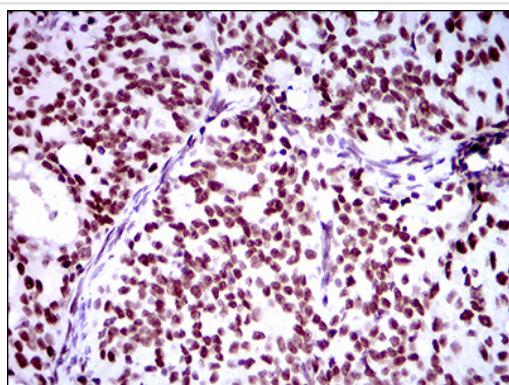
Western blot analysis of Ring1 on human Ring1 recombinant protein using anti-Ring1 antibody at 1/1,000 dilution.



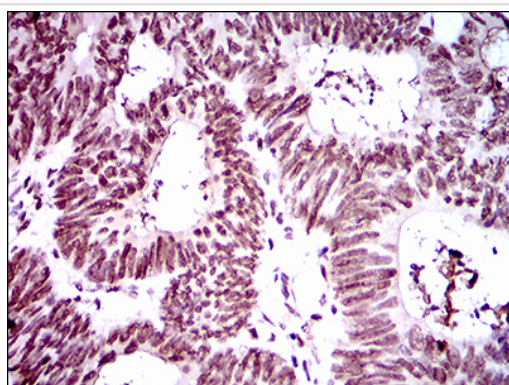
Western blot analysis of Ring1 on HEK293 (1) and Ring1-hlgGfc transfected HEK293 (2) cell lysate using anti-Ring1 antibody at 1/1,000 dilution.



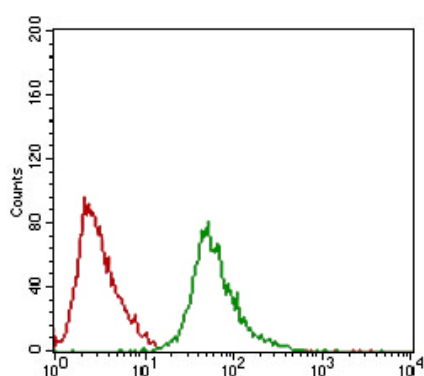
Western blot analysis of Ring1 on different cell lysate using anti-Ring1 antibody at 1/1,000 dilution. Positive control: $\Omega\frac{1}{2}\Omega\frac{1}{2}$ Line1: MOLT-4? Line2: LNCaP Line3: Hela Line4: HEK-293? Line5: Jurkat



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue using anti-Ring1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human rectum cancer tissue using anti-Ring1 antibody. Counter stained with hematoxylin.



Flow cytometric analysis of HeLa cells with Ring1 antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).

Background

In *Drosophila*, the Polycomb (PcG) gene family encodes chromatin proteins that are required for the repression of homeotic loci during embryonic development. The human PcG homologues form two distinct multimeric protein complexes, the EED/EZH protein complex and the HPC/HPH protein complex, which have mutually exclusive expression patterns. The HPC/HPH PcG complex contains the human polycomb 2 (HPC2), human polyhomeotic (HPH), Bmi-1 and RING1 proteins. The human RING1 gene, which is proximal to the major histocompatibility complex region on chromosome six, encodes for a protein that contains a RING finger motif, a zinc-binding domain found in many regulatory proteins, but unlike the other human PcG genes, RING1 displays no homology to known *Drosophila* PcG genes. RING1 strongly represses En-2, the mammalian homolog of the *Drosophila* engrailed gene, and when overexpressed, it mediates an increase in the expression of proto-oncogenes, such as c-Jun and c-fos. Also, loss of RING1 and Bmi-1 expression correlates with the differentiation of B cells, which suggests a role for RING1 in germinal center development.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.