

Mouse anti-Human, Rat Ring1A Monoclonal Antibody | anti-Ring1A antibody

Anti-Ring1A Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14160	Mouse	Human, Rat	Western Blot, Immunofluorescence

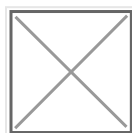
PRODUCT SYNONYMS

Ring1A; Monoclonal Antibody; Anti-Ring1A Mouse mAb; E3 ubiquitin-protein ligase RING1; Polycomb complex protein RING1; Really interesting new gene 1 protein; RING finger protein 1; Ring1; RING1_HUMAN; RING1A; Rnf1; Transcription repressor Ring1A; anti-Ring1A antibody

PRODUCT SPECIFICATIONS

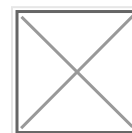
Host	Mouse
Reactivity	Human, Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	7D12-G1-B7
Form/Format	Purified antibody in PBS with 0.05% sodium azide.
Sequence Length	406
Applicable Applications for anti-Ring1A antibody	WB (Western Blot), IF (Immunofluorescence)
Immunogen	Recombinant fragment corresponding to Human RING1 aa 79-263.
Sequence Similarities	Contains 1 RING-type zinc finger.
Subunit Structure	Component of chromatin-associated Polycomb (PcG) complexes. Interacts with BMI1 (By similarity). Part of the E2F6.com-1 complex in G0 phase composed of E2F6, MGA, MAX, TFDP1, CBX3, BAT8, EUHMTASE1, RING1, RNF2/RING2 MBLR, L3MBTL2 and YAF2. Interacts with CBX2 and PCGF6. Component of a PRC1-like complex. Component of repressive BCOR complex containing Polycomb group subcomplex at least composed of RYBP, PCGF1, BCOR and RNF2/RING2. Interacts with PCGF2, RNF2; CBX6, CBX7 and CBX8. Interacts with PHC2 (By similarity).
Subcellular Location	Nucleus speckle

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using Ring1 mouse mAb with DAB staining.



IHC (Immunohistochemistry)

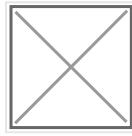
Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using Ring1 mouse mAb with DAB staining.

**FCM (Flow Cytometry)**

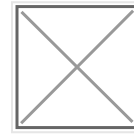
Flow cytometric analysis of HeLa cells using Ring1 mouse mAb (green) and negative control (red).

**WB (Western Blot)**

Western blot analysis using Ring1 mouse mAb against MOLT-4 (1), LNCaP (2), HeLa (3), HEK-293 (4) and Jurkat (5) cell lysate.

**ICC (Immunocytochemistry)**

Immunocytochemistry staining of HeLa cells fixed with 4% Paraformaldehyde and using anti-Ring1A mouse mAb (dilution 1:200).

**WB (Western Blot)**

Western blot analysis of extracts from Jurkat, A549, MCF7 and C6 cell lysates using Ring1A mouse mAb (1:3000 diluted). Predicted band size: 42kDa. Observed band size: 54kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-Ring1A antibody

Entrez Summary: This gene belongs to the RING finger family, members of which encode proteins characterized by a RING domain, a zinc-binding motif related to the zinc finger domain. The gene product can bind DNA and can act as a transcriptional repressor. It is associated with the multimeric polycomb group protein complex. The gene product interacts with the polycomb group proteins BMI1, EDR1, and CBX4, and colocalizes with these proteins in large nuclear domains. It interacts with the CBX4 protein via its glycine-rich C-terminal domain. The gene maps to the HLA class II region, where it is contiguous with the RING finger genes FABGL and HKE4. [provided by RefSeq, Jul 2008]

UniProt Summary Function: 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	51479192
NCBI GeneID	6015
NCBI Accession #	NP_002922.2
NCBI GenBank Nucleotide #	NM_002931.3
UniProt Accession #	Q06587 ; Q5JP96 ; Q5SQW2 ; Q86V19 ; A8JZZ0
Molecular Weight	54kDa
NCBI Official Full Name	E3 ubiquitin-protein ligase RING1
NCBI Official Synonym Full Names	ring finger protein 1
NCBI Official Symbol	RING1
NCBI Official Synonym Symbols	RNF1; RING1A
NCBI Protein Information	E3 ubiquitin-protein ligase RING1
UniProt Protein Name	E3 ubiquitin-protein ligase RING1
UniProt Gene Name	RING1
UniProt Synonym Gene Names	RNF1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ring1a-antibody-clone-7d12-g1-b7-western-blot-immunofluorescence-elisa/14160>