

Rabbit Ring1A Polyclonal Antibody | anti-Ring1A antibody

Ring1A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329389	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Horse (100%), Sheep (100%), Dog (100%)	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

Ring1A; Polyclonal Antibody; Ring1A Antibody; 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	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Horse (100%), Sheep (100%), Dog (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Ring1A Antibody detects endogenous levels of total Ring1A.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-Ring1A antibody	ELISA (Peptide ELISA), ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Ring1A, corresponding to a region within the internal amino acids.
Conjugation	Unconjugated
Fragment	Fab fragment
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. Nucleus speckle.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

Staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. Samples were then incubated with primary Ab(AF4074 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37 degree C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



WB (Western Blot)

Western blot analysis of extracts from 3T3, using Ring1A Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-Ring1A antibody

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 #	90110053
NCBI GeneID	6015
UniProt Accession #	Q06587; Q5JP96; Q5SQW2; Q86V19; A8JZZ0
Molecular Weight	406
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; polycomb complex protein RING1; really interesting new gene 1 protein
UniProt Protein Name	E3 ubiquitin-protein ligase RING1
UniProt Gene Name	RING1
UniProt Synonym Gene Names	RNF1
UniProt Entry Name	RING1_HUMAN

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.