

Rabbit RbAp46/48 Polyclonal Antibody | anti-RbAp46/48 antibody

RbAp46/48 antibody (pAb)

CATALOG # AAA59847	HOST Rabbit	REACTIVITY Human, Wide Range Predicted	APPLICATIONS Western Blot, Chromatin Immunoprecipitation, Immunoprecipitation
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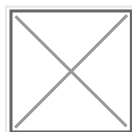
PRODUCT SYNONYMS

RbAp46/48; Polyclonal Antibody; RbAp46/48 antibody (pAb); Retinoblastoma protein associated protein 46/48; anti-RbAp46/48 antibody

PRODUCT SPECIFICATIONS

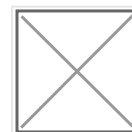
Host	Rabbit
Reactivity	Human, Wide Range Predicted
Clonality	Polyclonal
Form/Format	Rabbit serum containing 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Applicable Applications for anti-RbAp46/48 antibody	WB (Western Blot), ChIP (Chromatin immunoprecipitation)
Immunogen	This RbAp46/48 antibody was raised against recombinant human RbAp46 protein.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



WB (Western Blot)

RbAp46/48 pAb tested by Western blot. HeLa cell nuclear extract (10 ug per lane) was probed with RbAp46/48 pAb (1:500 dilution).



ChIP (Chromatin Immunoprecipitation)

RbAp46/48 antibody (pAb) tested by ChIP ChIP performed on MCF7 cell chromatin (40 ?g) using 39198. PCR was performed using primers specific for the promoter region of the human SNAIL gene. Lane 1: Input DNA control. Lane 2: ChIP using 4 ?l of 39198. Lane 3: Duplicate. Lane 4: Rabbit IgG as control (-). Lane 5: Duplicate. Lane 6: PCR mix.

ADDITIONAL INFORMATION

Related Product Information for anti-RbAp46/48 antibody	Short Description: Our RbAp46/48 antibody (pAb) was raised in a Rabbit host. It has been validated for use in Chromatin Immunoprecipitation and Western blot; it has been shown to react with Human samples, but it is predicted that it will react with a wide range of sample types. Background: RbAp46 (Retinoblastoma protein associated protein 46) and RbAp48 (Retinoblastoma protein associated protein 48) are highly homologous histone chaperones that play key roles in protein complexes that function to establish and maintain chromatin structure. RbAp46/48 are found in a number of protein complexes involved in chromatin remodeling (Mi-2b, NURF & NURD), transcriptional repression (Prc2, Sin3) and chromatin assembly (CAF1). Both RbAp46 and RbAp48 are specifically found in the catalytic cores of histone deacetylase (HDAC) complexes that promote transcriptional repression of target genes, including those repressed by the retinoblastoma tumor suppressor protein. RbAp46 binds to and enhances the activity of the type B histone acetyltransferase HAT1, an enzyme that acetylates histone H4 specifically at its Lys5 and Lys12 residues prior to their incorporation into nucleosomes during replication. RbAp48 is an evolutionarily conserved subunit of the chromatin assembly factor-1 (CAF-1) complex, where it associates with two other subunits, known as p150 and p60 in human cells. It is also reported that E2F-1 and RbAp48 are physically associated in the presence of RB1 and histone deacetylase, suggesting that RbAp48 could be involved in transcriptional repression of E2F-responsive genes.
Product Categories/Family for anti-RbAp46/48 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506439
NCBI GeneID	5931
NCBI Accession #	NP_002884; NP_005601 (RbAp48); AB_2615007
NCBI GenBank Nucleotide #	NM_002893
UniProt Accession #	Q16576; Q5JP00
Molecular Weight	52,314 Da
NCBI Official Full Name	histone-binding protein RBBP7 isoform 2
NCBI Official Synonym Full Names	retinoblastoma binding protein 7
NCBI Official Symbol	RBBP7
NCBI Official Synonym Symbols	RbAp46
NCBI Protein Information	histone-binding protein RBBP7; G1/S transition control protein-binding protein RbAp46; RBBP-7; histone acetyltransferase type B subunit 2; nucleosome-remodeling factor subunit RBAP46; retinoblastoma-binding protein 7; retinoblastoma-binding protein RbAp46
UniProt Protein Name	Histone-binding protein RBBP7
UniProt Gene Name	RBBP7
UniProt Synonym Gene Names	RBAP46; RBBP-7
UniProt Entry Name	RBBP7_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.