

Rabbit RBBP7 Polyclonal Antibody | anti-RBBP7 antibody

RBBP7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327380	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

RBBP7; Polyclonal Antibody; RBBP7 Antibody; G1/S transition control protein binding protein RbAp46; Histone acetyltransferase type B subunit 2; Histone binding protein RBBP7; Histone-binding protein RBBP7; MGC138867; MGC138868; Nucleosome remodeling factor subunit RBAP46; Nucleosome-remodeling factor subunit RBAP46; RBAP46; RBBP 7; RBBP-7; RBBP7_HUMAN; Retinoblastoma binding protein 7; Retinoblastoma binding protein p46; Retinoblastoma-binding protein 7; Retinoblastoma-binding protein p46; Retinoblastoma-binding protein RbAp46; anti-RBBP7 antibody

PRODUCT SPECIFICATIONS

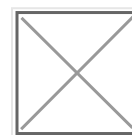
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RBBP7 antibody detects endogenous levels of total RBBP7
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	469
Applicable Applications for anti-RBBP7 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human RBBP7
Subcellular Location	Nucleus.
Predicted Cross Reactivity	Bovine, Sheep, Rabbit, Chicken, Xenopus
Similarity	Bovine (100%), Sheep (86%), Rabbit (100%), Chicken (80%), Xenopus (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA327380 at 1/100 staining Human spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of RBBP7 using K562 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-RBBP7 antibody	Function: Core histone-binding subunit that may target chromatin remodeling factors, histone acetyltransferases and histone deacetylases to their histone substrates in a manner that is regulated by nucleosomal DNA. Component of several complexes which regulate chromatin metabolism. These include the type B histone acetyltransferase (HAT) complex, which is required for chromatin assembly following DNA replication; the core histone deacetylase (HDAC) complex, which promotes histone deacetylation and consequent transcriptional repression; the nucleosome remodeling and histone deacetylase complex (the NuRD complex), which promotes transcriptional repression by histone deacetylation and nucleosome remodeling; and the PRC2/EED-EZH2 complex, which promotes repression of homeotic genes during development; and the NURF (nucleosome remodeling factor) complex. Subunit Structure: Binds directly to helix 1 of the histone fold of histone H4, a region that is not accessible when H4 is in chromatin. Subunit of the type B histone acetyltransferase (HAT) complex, composed of RBBP7 and HAT1. Subunit of the core histone deacetylase (HDAC) complex, which is composed of HDAC1, HDAC2, RBBP4 and RBBP7. The core HDAC complex associates with SIN3A, ARID4B/SAP180, SAP18, SAP30, SAP130, SUDS3/SAP45 and possibly ARID4A/RBP1 and ING1 to form the SIN3 HDAC complex. The core HDAC complex may also associate with MTA2, MBD3, CHD3 and CHD4 to form the nucleosome remodeling and histone deacetylase complex (the NuRD complex). The NuRD complex may also interact with MBD3L1 and MBD3L2. Interacts with MTA1. Subunit of the PRC2/EED-EZH2 complex, which is composed of at least EED, EZH2, RBBP4, RBBP7 and SUZ12 (PubMed:12435631). The PRC2/EED-EZH2 complex may also associate with HDAC1. Part of the nucleosome remodeling factor (NURF) complex which consists of SMARCA1; BPTF; RBBP4 and RBBP7. Interacts with the viral protein-binding domain of the retinoblastoma protein (RB1) (PubMed:7503932, PubMed:10220405). Interacts with CREBBP, and this interaction may be enhanced by the binding of phosphorylated CREB1 to CREBBP. Interacts with BRCA1, HDAC7 and SUV39H1. Interacts with CENPA (PubMed:25556658). Similarity: Belongs to the WD repeat RBAP46/RBAP48/MSI1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	311078508
NCBI GeneID	5931
NCBI Accession #	NP_001185648.1
NCBI GenBank Nucleotide #	NM_001198719.1
UniProt Accession #	Q16576; Q5JP00
Molecular Weight	Observed: 50 kDa Predicted: 48 kDa
NCBI Official Full Name	histone-binding protein RBBP7 isoform 1
NCBI Official Synonym Full Names	RB binding protein 7, chromatin remodeling factor
NCBI Official Symbol	RBBP7
NCBI Official Synonym Symbols	RbAp46
NCBI Protein Information	histone-binding protein RBBP7
UniProt Protein Name	Histone-binding protein RBBP7
UniProt Gene Name	RBBP7
UniProt Synonym Gene Names	RBAP46; RBBP-7

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.