

Rabbit RBBP7 Polyclonal Antibody | anti-RBBP7 antibody

RBBP7 Antibody (N-term)

CATALOG # AAA287297	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Bovine, Monkey, Mouse, Rat, Xenopus)	APPLICATIONS Flow Cytometry, Functional Assay, ELISA, Western Blot
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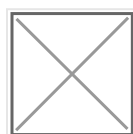
PRODUCT SYNONYMS

RBBP7; Polyclonal Antibody; RBBP7 Antibody (N-term); Histone-binding protein RBBP7; Histone acetyltransferase type B subunit 2; Nucleosome-remodeling factor subunit RBAP46; Retinoblastoma-binding protein 7; RBBP-7; Retinoblastoma-binding protein p46; RBAP46; anti-RBBP7 antibody

PRODUCT SPECIFICATIONS

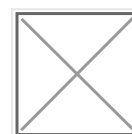
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Monkey, Mouse, Rat, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This RBBP7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human RBBP7.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	1-30
Sequence Length	469
Applicable Applications for anti-RBBP7 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Cellular Location	Nucleus
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
Preparation and Storage	For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

RBBP7 Antibody (N-term) (AAA287297) flow cytometry analysis of MDA-MB231 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)

Western blot analysis of RBBP7 Antibody (N-term) (AAA287297) in HeLa, MDA-MB231, 293 cell line lysates (35ug/lane). RBBP7 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-RBBP7 antibody	RBBP7 is a ubiquitously expressed nuclear protein and belongs to a highly conserved subfamily of WD-repeat proteins. It is found among several proteins that binds directly to retinoblastoma protein, which regulates cell proliferation. This protein is found in many histone deacetylase complexes, including mSin3 co-repressor complex. It is also present in protein complexes involved in chromatin assembly. This protein can interact with BRCA1 tumor-suppressor gene and may have a role in the regulation of cell proliferation and differentiation.
References	Zhang,Y., et.al., Mol. Cell 1 (7), 1021-1031 (1998) Verreault,A., et.al., Curr. Biol. 8 (2), 96-108 (1998)

NCBI AND UNIPROT INFORMATION

NCBI GI #	311078508
NCBI GeneID	5931
NCBI Accession #	NP_001185648.1; NP_002884.1
NCBI GenBank Nucleotide #	NM_001198719.1
UniProt Accession #	Q16576; Q5JP00
Molecular Weight	47820
NCBI Official Full Name	histone-binding protein RBBP7 isoform 1
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
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rbbp7-antibody-flow-cytometry-western-blot-elisa/287297>