

Rabbit RBBP5 Polyclonal Antibody | anti-RBBP5 antibody

RBBP5 Antibody

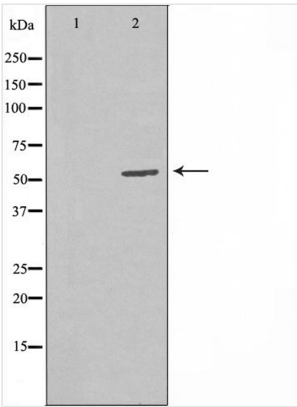
CATALOG # AAA325074	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunocytochemistry, Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

RBBP5; Polyclonal Antibody; RBBP5 Antibody; RBBP 5; RBBP-5; RBBP5_HUMAN; RBQ 3; RBQ3; Retinoblastoma binding protein 5; Retinoblastoma binding protein RBQ3; Retinoblastoma binding protein5; Retinoblastoma-binding protein 5; Retinoblastoma-binding protein RBQ-3; SWD1; Set1c WD40 repeat protein; homolog; anti-RBBP5 antibody

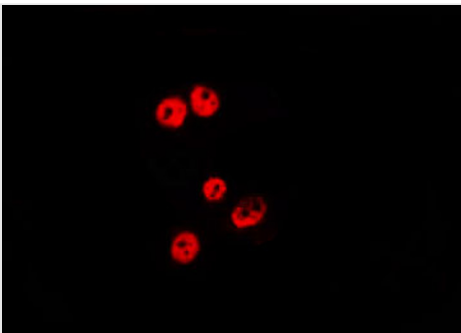
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RBBP5 antibody detects endogenous levels of total RBBP5
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	500
Applicable Applications for anti-RBBP5 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Tissue Specificity	Ubiquitously expressed.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)

Western blot analysis of extracts from CoLo cells, using RBBP5 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA325074 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RBBP5 antibody

Function: In embryonic stem (ES) cells, plays a crucial role in the differentiation potential, particularly along the neural lineage, regulating gene induction and H3 'Lys-4' methylation at key developmental loci, including that mediated by retinoic acid (By similarity). As part of the MLL1/MLL complex, involved in mono-, di- and trimethylation at 'Lys-4' of histone H3. Histone H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation.

Subunit Structure: Component of the SET1 complex, at least composed of the catalytic subunit (SETD1A or SETD1B), WDR5, WDR82, RBBP5, ASH2L/ASH2, CXXC1/CFP1, HCFC1 and DPY30. Core component of several methyltransferase-containing complexes including MLL1/MLL, MLL2/3 (also named ASCOM complex) and MLL4/WBP7. Each complex is at least composed of ASH2L, RBBP5, WDR5, DPY30, one or more specific histone methyltransferases (KMT2A/MLL1, KMT2D/MLL2, KMT2C/MLL3 and KMT2B/MLL4), and the facultative components PAGR1, BAP18, CHD8, E2F6, HCFC1, HCFC2, HSP70, INO80C, KDM6A, KANSL1, LAS1L, MAX, MCRC1, MEN1, MGA, MYST1/MOF, NCOA6, PAXIP1/PTIP, PELP1, PHF20, PRP31, RING2, RUVB1/TIP49A, RUVB2/TIP49B, SENP3, TAF1, TAF4, TAF6, TAF7, TAF9, TEX10 and alpha- and beta-tubulin. Interacts with WDR5 and ASH2L; the interaction is direct. Interacts with WDR82 and SETD1A. Part of a complex composed at least of ASCL2, EMSY, HCFC1, HSPA8, CCAR2, MATR3, MKI67, RBBP5, TUBB2A, WDR5 and ZNF335; this complex may have a histone H3-specific methyltransferase activity (By similarity).

NCBI AND UNIPROT INFORMATION

NCBI GI #	300796323
NCBI GeneID	5929
NCBI Accession #	NP_001180201.1
NCBI GenBank Nucleotide #	NM_001193272.1
UniProt Accession #	Q15291; Q7Z6D8; Q8NDZ7; A8K272
Molecular Weight	Observed: 59 kD Predicted: 60 kDa
NCBI Official Full Name	retinoblastoma-binding protein 5 isoform 2
NCBI Official Synonym Full Names	RB binding protein 5, histone lysine methyltransferase complex subunit
NCBI Official Symbol	RBBP5
NCBI Official Synonym Symbols	RBQ3; SWD1
NCBI Protein Information	retinoblastoma-binding protein 5
UniProt Protein Name	Retinoblastoma-binding protein 5

UniProt Gene Name	RBBP5
UniProt Synonym Gene Names	RBQ3; RBBP-5

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/rbbp5-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325074>