

Rabbit RBX1 Polyclonal Antibody | anti-RBX1 antibody

RBX1 Antibody (C-term)

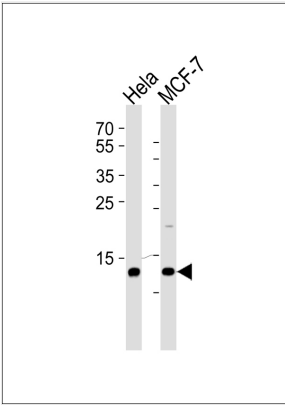
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285048	Rabbit	Human (Predicted Reactivity: C Elegans, Mouse)	Immunohistochemistry, Immunofluorescence, ELISA, Western Blot

PRODUCT SYNONYMS

RBX1; Polyclonal Antibody; RBX1 Antibody (C-term); E3 ubiquitin-protein ligase RBX1; 632-; Protein ZYP; RING finger protein 75; RING-box protein 1; Rbx1; Regulator of cullins 1; N-terminally processed; RNF75; ROC1; anti-RBX1 antibody

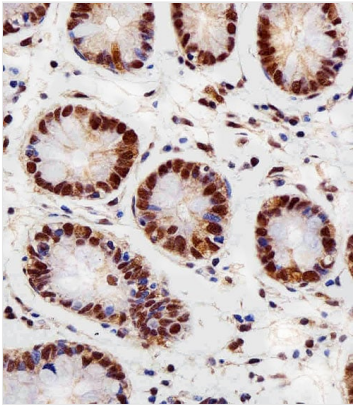
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: C Elegans, Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This RBX1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 74-108 amino acids from the C-terminal region of human RBX1.
Purity/Purification	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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Length	108
Applicable Applications for anti-RBX1 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



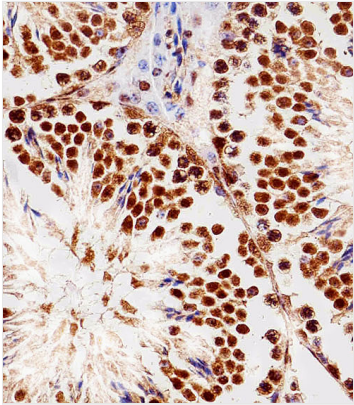
WB (Western Blot)

Western blot analysis of lysates from HeLa, MCF-7 cell line (from left to right), using RBX1 Antibody (C-term). AAA285048 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



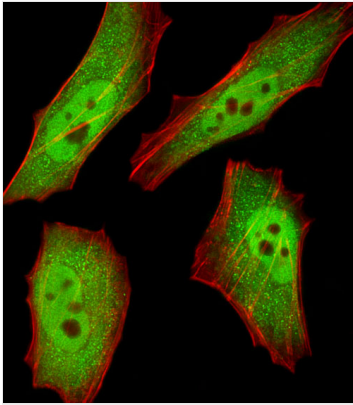
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded H. colon section using RBX1 Antibody (C-term). AAA285048 was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded M. testis section using RBX1 Antibody (C-term). AAA285048 was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



IF (Immunofluorescence)

Fluorescent image of HeLa cells stained with RBX1 Antibody (C-term). AAA285048 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor 555 conjugated with Phalloidin (red).

ADDITIONAL INFORMATION

Related Product Information for anti-RBX1 antibody	E3 ubiquitin ligase component of multiple cullin-RING- based E3 ubiquitin-protein ligase complexes which mediate the ubiquitination and subsequent proteasomal degradation of target proteins, including proteins involved in cell cycle progression, signal transduction, transcription and transcription-coupled nucleotide excision repair. The functional specificity of the E3 ubiquitin-protein ligase complexes depends on the variable substrate recognition components. As a component of the CSA complex promotes the ubiquitination of ERCC6 resulting in proteasomal degradation. Through the RING-type zinc finger, seems to recruit the E2 ubiquitination enzyme, like CDC34, to the complex and brings it into close proximity to the substrate. Probably also stimulates CDC34 autoubiquitination. May be required for histone H3 and histone H4 ubiquitination in response to ultraviolet and for subsequent DNA repair. Promotes the neddylation of CUL1, CUL2, CUL4 and CUL4 via its interaction with UBE2M. Involved in the ubiquitination of KEAP1, ENC1 and KLHL41. In concert with ATF2 and CUL3, promotes degradation of KAT5 thereby attenuating its ability to acetylate and activate ATM.
Product Categories/Family for anti-RBX1 antibody	Crown Antibodies; Cell Biology
References	Ohta T.,et al.Mol. Cell 3:535-541(1999). Kamura T.,et al.Science 284:657-661(1999). Collins J.E.,et al.Genome Biol. 5:R84.1-R84.11(2004). Ota T.,et al.Nat. Genet. 36:40-45(2004). Dunham I.,et al.Nature 402:489-495(1999).

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657508
NCBI GeneID	9978
NCBI Accession #	NP_055063.1
NCBI GenBank Nucleotide #	NM_014248.3
UniProt Accession #	P62877; Q8N6Z8; Q9D1S2; Q9WUK9; Q9Y254; B2RDY1
Molecular Weight	12274
NCBI Official Full Name	E3 ubiquitin-protein ligase RBX1
NCBI Official Synonym Full Names	ring-box 1, E3 ubiquitin protein ligase
NCBI Official Symbol	RBX1
NCBI Official Synonym Symbols	ROC1; RNF75; BA554C12.1
NCBI Protein Information	E3 ubiquitin-protein ligase RBX1
UniProt Protein Name	E3 ubiquitin-protein ligase RBX1
UniProt Gene Name	RBX1
UniProt Synonym Gene Names	RNF75; ROC1; Rbx1
UniProt Entry Name	RBX1_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/rbx1-antibody-immunohistochemistry-immunofluorescence-western-blot-elisa/285048>