

Mouse RBX1 Monoclonal Antibody | anti-RBX1 antibody

RBX1 Antibody

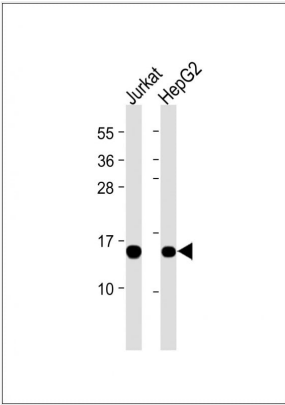
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290892	Mouse	Human, Mouse Predicted: Mouse	ELISA, Western Blot

PRODUCT SYNONYMS

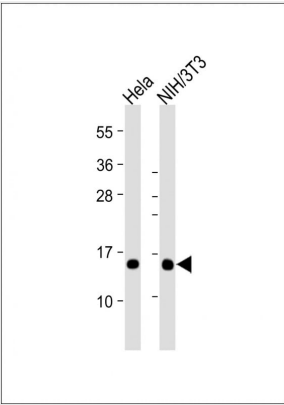
RBX1; Monoclonal Antibody; RBX1 Antibody; Purified Mouse Monoclonal Antibody (Mab); E3 ubiquitin-protein ligase RBX1; 6.3.2.-; Protein ZYP; RING finger protein 75; RING-box protein 1; Rbx1; Regulator of cullins 1; N-terminally processed; RNF75; ROC1; anti-RBX1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse Predicted: Mouse
Clonality	Monoclonal
Isotype	IgG1,kappa
Clone Number	1859CT866.7.47
Specificity	This antibody is generated from a mouse immunized with a recombinant protein between 1-108 amino acids from human.
Purity/Purification	Purified through a protein G column, followed by dialysis against PBS.
Form/Format	Supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	108
Applicable Applications for anti-RBX1 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthesized Peptide
Antigen Source	Human
Tissue Location	Widely expressed.
Cellular Location	Cytoplasm. Nucleus
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
All lanes : Anti-RBX1 at dilutionLane 1: Jurkat whole cell lysateLane 2: HepG2 whole cell lysateLysates/proteins at 20 ug per lane.SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 12kDaBlocking/Dilution buffer: 5% NFDM/TBST.



WB (Western Blot)
All lanes : Anti-RBX1 at 1:2000 dilutionLane 1: HeLa whole cell lysateLane 2: NIH/3T3 whole cell lysateLysates/proteins at 20 ug per lane.SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 12 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-RBX1 antibody	E3 ubiquitin ligase component of multiple cullin-RING- based E3 ubiquitin-protein ligase (CRLs) 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. CRLs complexes and ARIH1 collaborate in tandem to mediate ubiquitination of target proteins, ARIH1 mediating addition of the first ubiquitin on CRLs targets (PubMed:27565346). 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; Primary 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
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

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/monoclonal/rbx1-antibody-clone-1859ct866-7-47-western-blot-elisa/290892>