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ARG55861
anti-RBX1 / ROC1 antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes RBX1 / ROC1
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	RBX1 / ROC1
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 74-108 of Human RBX1 / ROC1.
Conjugation	Un-conjugated
Alternate Names	E3 ubiquitin-protein ligase RBX1; RING finger protein 75; EC 6.3.2.-; RNF75; Regulator of cullins 1; RING-box protein 1; ROC1; Protein ZYP; Rbx1; BA554C12.1

Application Instructions

Application table

Application	Dilution
ICC/IF	1:25
IHC-P	1:25
WB	1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

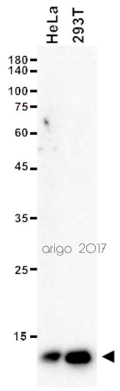
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

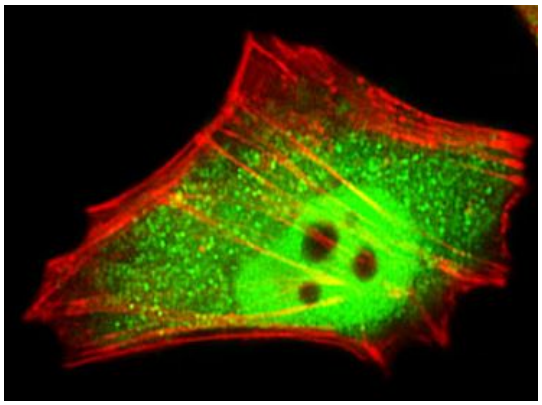
Database links	GeneID: 56438 Mouse GeneID: 9978 Human Swiss-port # P62877 Human Swiss-port # P62878 Mouse
Gene Symbol	RBX1
Gene Full Name	ring-box 1, E3 ubiquitin protein ligase
Background	This locus encodes a RING finger-like domain-containing protein. The encoded protein interacts with cullin proteins and likely plays a role in ubiquitination processes necessary for cell cycle progression. This protein may also affect protein turnover. Related pseudogenes exist on chromosomes 2 and 5.[provided by RefSeq, Sep 2010]
Function	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. [UniProt]
Highlight	Related products: RBX1 antibodies; Anti-Rabbit IgG secondary antibodies; Related news: Keap1-Nrf2-ARE antibody panel is launched
Calculated Mw	12 kDa
Cellular Localization	Cytoplasm. Nucleus

Images



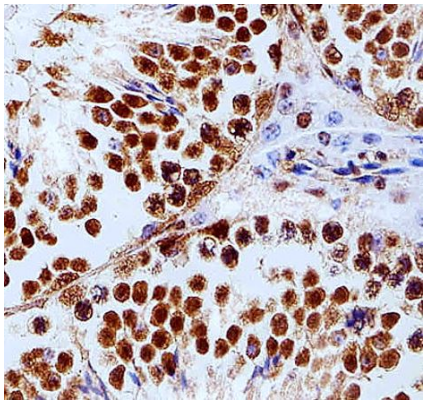
ARG55861 anti-RBX1 / ROC1 antibody WB image

Western blot: 20 µg of HeLa and 293T cell lysates stained with ARG55861 anti-RBX1 / ROC1 antibody at 1:1000 dilution.



ARG55861 anti-RBX1 / ROC1 antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG55861 anti-RBX1 / ROC1 antibody (green) at 1:25 dilution. Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).



ARG55861 anti-RBX1 / ROC1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse testis tissue stained with ARG55861 anti-RBX1 / ROC1 antibody at 1:100 dilution.