Datasheet for ABIN1944784

anti-RBX1 antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	RBX1
Binding Specificity:	AA 74-108, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RBX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	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.
Clone:	RB48352
Isotype:	Ig Fraction
Predicted Reactivity:	E
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	RBX1

Target Details

Alternative Name:	RBX1 (RBX1 Products)
Background:	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.
Molecular Weight:	12274
Gene ID:	9978
UniProt:	P62877
Pathways:	Cell Division Cycle, M Phase, SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	IF: 1:25. WB: 1:1000. WB: 1:1000. WB: 1:1000. WB: 1:1000. IHC-P: 1:25. IHC-P: 1:25
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

Publications

Product cited in:

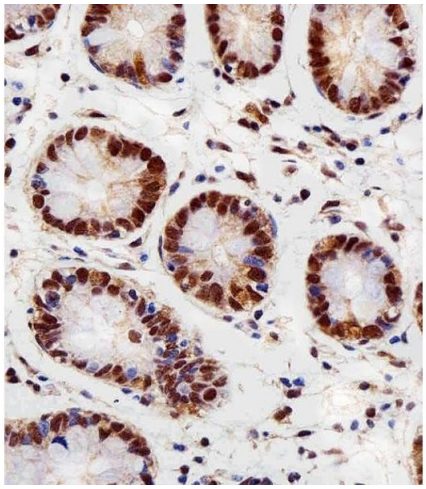
Yahata, Takedatsu, Dunwoodie, Bragança, Swingler, Withington, Hur, Coser, Isselbacher, Bhattacharya, Shioda: "Cloning of mouse Cited4, a member of the CITED family p300/CBP-binding transcriptional coactivators: induced expression in mammary epithelial cells." in: **Genomics**, Vol. 80, Issue 6, pp. 601-13, (2002) (PubMed).

Meier, Koedood, Philipp, Fontana, Mitchell: "Alternative mRNAs encode multiple isoforms of transcription factor AP-2 during murine embryogenesis." in: **Developmental biology**, Vol. 169, Issue 1, pp. 1-14, (1995) (PubMed).

Moser, Pscherer, Bauer, Imhof, Seegers, Kerscher, Buettner: "The complete murine cDNA sequence of the transcription factor AP-2." in: **Nucleic acids research**, Vol. 21, Issue 20, pp. 4844, (1993) (PubMed).

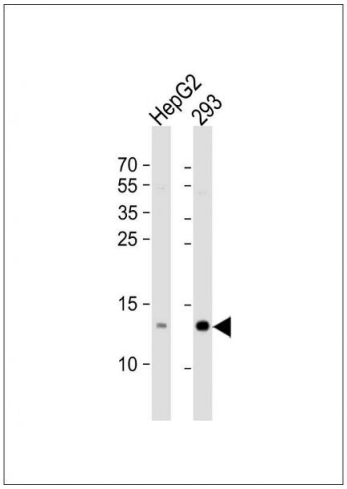
Mitchell, Timmons, Hébert, Rigby, Tjian: "Transcription factor AP-2 is expressed in neural crest cell lineages during mouse embryogenesis." in: **Genes & development**, Vol. 5, Issue 1, pp. 105-19, (1991) (PubMed).

Images



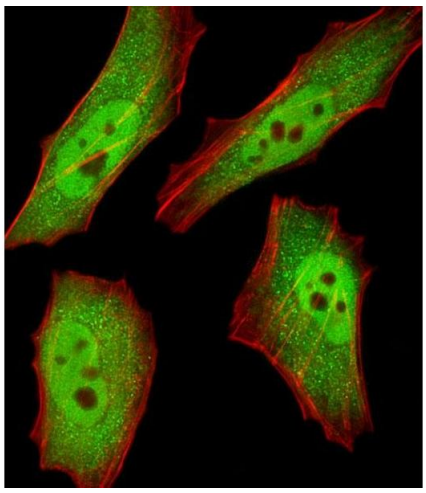
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical analysis of paraffin-embedded H. colon section using RBX1 Antibody (C-term) (ABIN1944784 and ABIN2838525). (ABIN1944784 and ABIN2838525) 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.



Western Blotting

Image 2. All lanes : Anti-RBX1 Antibody (C-term) at 1:1000 dilution Lane 1: HepG2 whole cell lysate Lane 2: 293 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 12 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Immunofluorescence

Image 3. Fluorescent image of HeLa cells stained with RBX1 Antibody (C-term) (ABIN1944784 and ABIN2838525). (ABIN1944784 and ABIN2838525) 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).

Please check the product details page for more images. Overall 7 images are available for ABIN1944784.