RNF7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RNF7, Polyclonal Antibody
Full Product Name	RNF7 (RING-box Protein 2, Rbx2, CKII beta-Binding Protein 1, CKBBP1, RING Finger Protein 7, Regulator of cullins 2, Sensitive to Apoptosis gene Protein, RNF7, RBX2, ROC2, SAG) (Biotin)
Product Gene Name	anti-RNF7 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes RNF7. Species Crossreactivity: human, mouse
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	10,876 Da
OMIM	603863
3D Structure	ModBase 3D Structure for Q9UBF6
Immunogen	KLH conjugated synthetic peptide corresponding to aa25-57 at the N-terminal region of human RNF7.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-RNF7 antibody	Antibodies; Transcription Factors; Zinc (Ring) Finger
Applications Tested/Suitable for anti-RNF7 antibody	Western Blot (WB)
Application Notes for anti-RNF7 antibody	WB: 1:8000 Applications are based on unconjugated antibody.
Related Product Information for anti-RNF7 antibody	MBS6458859 is an antibody targeting RNF7. Also known as RNF7 (RING-box Protein 2, Rbx2, CKII beta-Binding Protein 1, CKBBP1, RING Finger Protein 7, Regulator of cullins 2, Sensitive to Apoptosis gene Protein, RNF7, RBX2, ROC2, SAG) (Biotin). Reactive in Human, Mouse. Host: Rabbit.
Product References and Citations for anti-RNF7 antibody	Son M.-Y., et al. Biochem. Biophys. Res. Commun. 263:743-748(1999). Ohta T., et al. Mol. Cell 3:535-541(1999). Duan H., et al. Mol. Cell. Biol. 19:3145-3155(1999). Swaroop M., et al. DNA Cell Biol. 20:425-434(2001). Kalnine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Other Notes	Small volumes of anti-RNF7 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RNF7. It may not necessarily be applicable to this product.

NCBI GI #	319004144
NCBI GeneID	9616
NCBI Accession #	NP_001188299.1
UniProt Primary Accession #	Q9UBF6
UniProt Secondary Accession #	Q9BXN8; Q9Y5M7; A8K1H9; A8MTB5; C9JYL3; D3DNF7; D3DNF8
UniProt Related Accession #	Q9UBF6
GenBank Nucleotide #	NM_001201370.1
NCBI Official Full Name	RING-box protein 2 isoform 4
NCBI Official Synonym Full Names	ring finger protein 7
NCBI Official Symbol	RNF7
NCBI Official Synonym Symbols	SAG; ROC2; CKBBP1
UniProt Protein Name	RING-box protein 2
UniProt Synonym Protein Names	CKII beta-binding protein 1; CKBBP1; RING finger protein 7; Regulator of cullins 2; Sensitive to apoptosis gene protein
Protein Family	RING-box protein
UniProt Gene Name	RNF7
UniProt Synonym Gene Names	RBX2; ROC2; SAG; Rbx2; CKBBP1
UniProt Entry Name	RBX2_HUMAN
NCBI Protein Information	RING-box protein 2; CKII beta-binding protein 1; rbx2; regulator of cullins 2; sensitive to apoptosis gene protein; sensitive to apoptosis, zinc RING finger protein SAG, regulator of cullins 2
NCBI Summary for RNF7	The protein encoded by this gene is a highly conserved ring finger protein. It is an essential subunit of SKP1-cullin/CDC53-F box protein ubiquitin ligases, which are a part of the protein degradation machinery important for cell cycle progression and signal transduction. This protein interacts with, and is a substrate of, casein kinase II (CSNK2A1/CKII). The phosphorylation of this protein by CSNK2A1 has been shown to promote the degradation of IkappaBalpha (CHUK/IKK-alpha/IKBKA) and p27Kip1(CDKN1B). Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]
UniProt Comments for RNF7	RNF7: a highly conserved ring finger protein. An essential subunit of SKP1-cullin/CDC53-F box protein ubiquitin ligases, which are a part of the protein degradation machinery important for cell cycle progression and signal transduction. The RING-type zinc finger recruits the E2 ubiquitination enzyme to the complex and brings it into close proximity to the substrate. This protein interacts with, and is a substrate of, casein kinase II (CKII). The phosphorylation of this protein by CKII has been shown to promote the degradation of IkappaB-alpha (CHUK/IKK-alpha/IKBKA) and p27Kip1(CDKN1B). Two alternatively spliced isoforms have been reported. Protein type: Ligase; Motility/polarity/chemotaxis; Ubiquitin ligase; Ubiquitin conjugating system; EC 6.3.2.- Chromosomal Location of Human Ortholog: 3q22-q24 Cellular Component: nucleoplasm; Cul5-RING ubiquitin ligase complex; cytoplasm; nucleus Molecular Function: protein binding; copper ion binding; zinc ion binding; NEDD8 ligase activity Biological Process: protein neddylation; protein ubiquitination; response to redox state; induction of apoptosis by oxidative stress; negative regulation of apoptosis
Research Articles on RNF7	**1.** Single nucleotide polymorphism rs16851720 was associated with liver fibrosis progression.

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