



Rabbit Anti-RNF7 antibody

SL7570R

Product Name:	RNF7
Chinese Name:	Ring finger protein7抗体
Alias:	CKBBP 1; CKBBP1; CKII beta binding protein 1; CKII beta-binding protein 1; Rbx 2; Rbx2; RBX2_HUMAN; Regulator Of cullins 2; RING box protein 2; Ring finger protein 7; RING-box protein 2; RNF 7; RNF7; ROC 2; ROC2; SAG; Sensitive to apoptosis gene; Sensitive to apoptosis gene protein; Zinc RING finger protein SAG.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	13kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human RNF7/CKBBP1:30-120/113
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Probable component of the SCF (SKP1-CUL1-F-box protein) E3 ubiquitin ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins involved in cell cycle progression, signal transduction and transcription. Through the RING-type zinc finger, seems to recruit the E2 ubiquitination enzyme to the

complex and brings it into close proximity to the substrate. Promotes the neddylation of CUL5 via its interaction with UBE2F. May play a role in protecting cells from apoptosis induced by redox agents. Tissue specificity: Expressed in heart, liver, skeletal muscle and pancreas. At very low levels expressed in brain, placenta and lung.

Function:

Probable component of the SCF (SKP1-CUL1-F-box protein) E3 ubiquitin ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins involved in cell cycle progression, signal transduction and transcription. Through the RING-type zinc finger, seems to recruit the E2 ubiquitination enzyme to the complex and brings it into close proximity to the substrate. Promotes the neddylation of CUL5 via its interaction with UBE2F. May play a role in protecting cells from apoptosis induced by redox agents.

Subunit:

Probable part of SCF complexes, which consist of SKP1, CUL1, RNF7/RBX2 and a F-box protein. Interacts (preferentially) with CUL5. Also interacts (with lower preference) with CUL1, CUL2, CUL3, CUL4A and CUL4B. Interacts with UBE2F. Interacts with CSNK2B, the interaction is not affected by phosphorylation by CK2.

Subcellular Location:

Cytoplasm. Nucleus.

Tissue Specificity:

Expressed in heart, liver, skeletal muscle and pancreas. At very low levels expressed in brain, placenta and lung.

Post-translational modifications:

Phosphorylation by CK2 is required for efficient degradation of NFKBIA and CDKN1B.

Similarity:

Belongs to the RING-box family.

Contains 1 RING-type zinc finger.

SWISS:

Q9UBF6

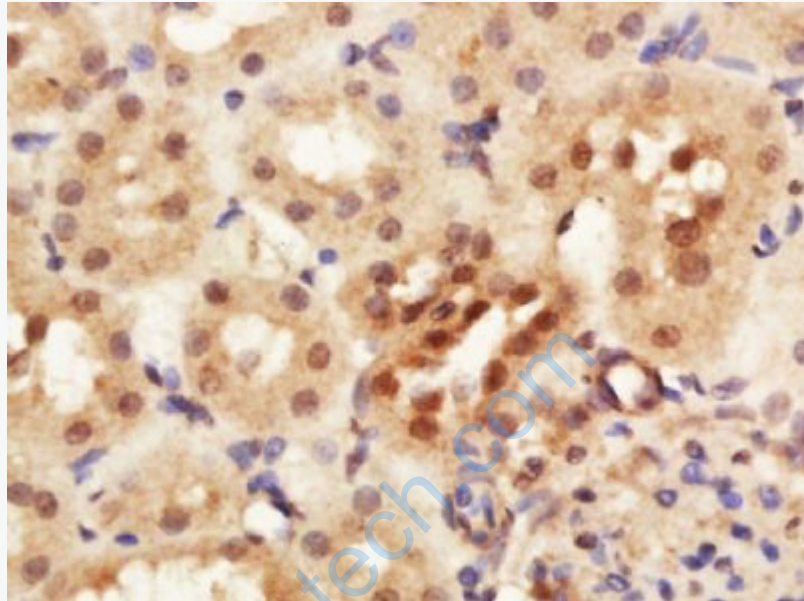
Gene ID:

9616

Database links:

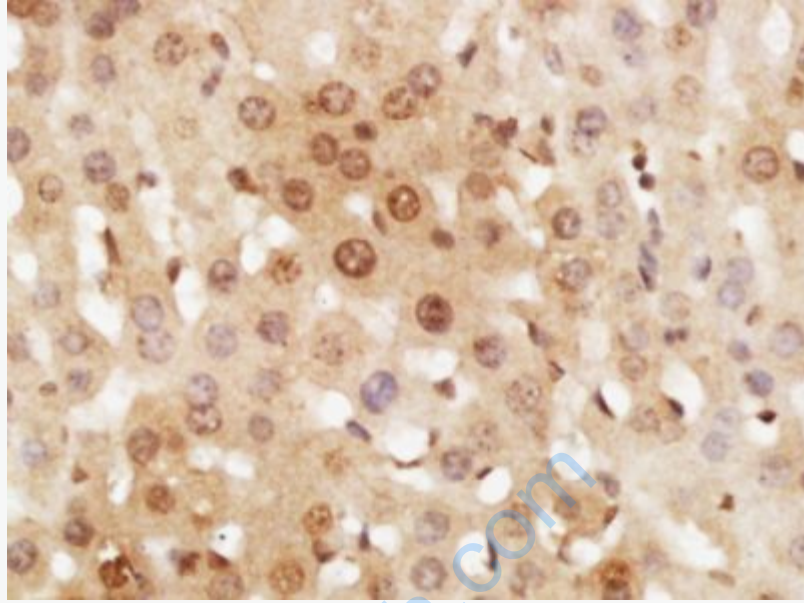
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

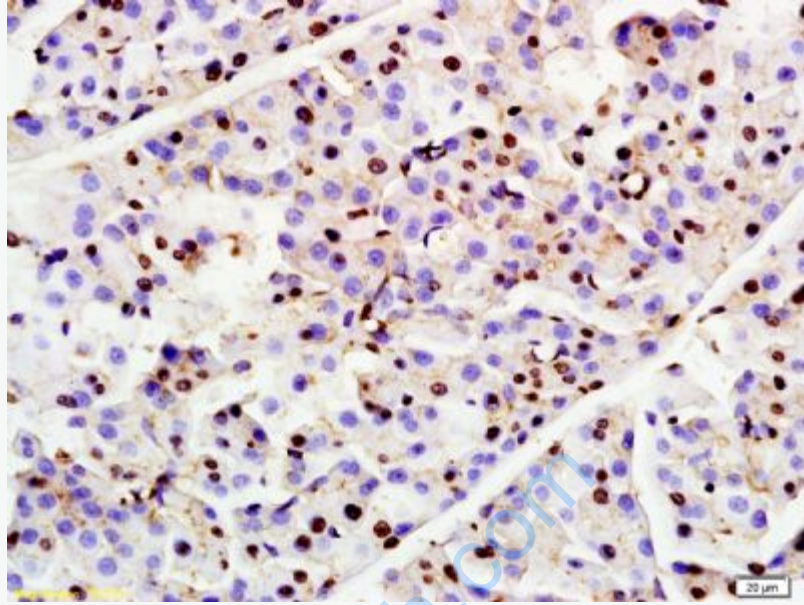


Picture:

Paraformaldehyde-fixed, paraffin embedded (Rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RNF7) Polyclonal Antibody, Unconjugated (SL7570R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RNF7) Polyclonal Antibody, Unconjugated (SL7570R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: rat pancreas tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-RNF7 Polyclonal Antibody, Unconjugated(SL7570R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining