

RNF7 Antibody (Internal)

Goat Polyclonal Antibody Catalog # ALS15583

Specification

RNF7 Antibody (Internal) - Product Information

Application WB
Primary Accession O9UBF6

Reactivity Human, Mouse, Rat, Zebrafish, Monkey,

Pig, Chicken, Horse, Xenopus, Bovine, Dog

Host Goat
Clonality Polyclonal
Calculated MW 13kDa KDa

RNF7 Antibody (Internal) - Additional Information

Gene ID 9616

Other Names

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

Target/Specificity

Human RNF7. This antibody is expected to recognize isoform 1 (NP 055060.1).

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

RNF7 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

RNF7 Antibody (Internal) - Protein Information

Name RNF7

Synonyms RBX2, ROC2, SAG

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 (PubMed:10851089). CRLs complexes and ARIH1 collaborate in tandem to mediate ubiquitination of target proteins, ARIH1 mediating addition of the first ubiquitin on CRLs targets (By similarity). 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.



Cellular Location Cytoplasm. Nucleus

Tissue Location

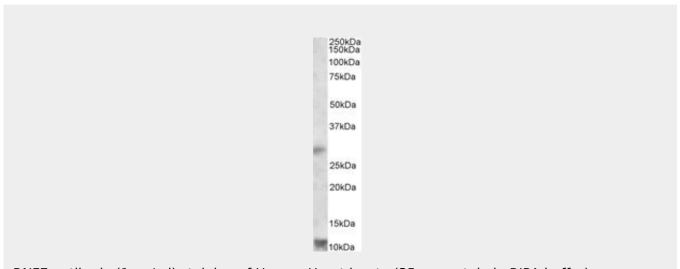
Expressed in heart, liver, skeletal muscle and pancreas. At very low levels expressed in brain, placenta and lung

RNF7 Antibody (Internal) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

RNF7 Antibody (Internal) - Images



RNF7 antibody (1 ug/ml) staining of Human Heart lysate (35 ug protein in RIPA buffer).

RNF7 Antibody (Internal) - Background

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.

RNF7 Antibody (Internal) - References

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.

