



REN3A rabbit pAb

Catalog No	YP-Ab-11003
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC
Gene Name	UPF3A RENT3A UPF3
Immunogen	Synthesized peptide derived from human REN3A AA range: 190-240
Specificity	This antibody detects endogenous levels of REN3A at Human
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	REN3A;UPF3A RENT3A UPF3
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Nucleus . Cytoplasm . Shuttling between the nucleus and the cytoplasm. .
Tissue Specificity	Isoform 1 is strongly expressed in testis, uterus, muscle, fetal brain and spinal cord. Isoform 2 is strongly expressed in fetal brain and spinal cord.
Function	function:Part of a multiprotein post-splicing mRNP complex involved in both mRNA nuclear export and mRNA surveillance. Involved in nonsense-mediated decay (NMD) of mRNAs containing premature stop codons. Binds spliced mRNA upstream of exon-exon junctions.,similarity:Belongs to the RENT3 family., subcellular location:Shuttling between the nucleus and the cytoplasm., subunit:Found in a mRNP complex with RENT1, RENT2, RENT3A and RENT3B. Found in a mRNP complex with SMG1, RENT3A, RENT3B, RBM8A, THOC4 and NXF1. Found in a post-splicing complex with NXF1, RBM8A, RENT1, RENT2, RENT3A, RENT3B and RNPS1. Interacts with RENT2.,tissue specificity:Isoform 1 is strongly expressed in testis, uterus, muscle, fetal brain and spinal cord. Isoform 2 is strongly expressed in fetal brain and spinal cord.,



Background

This gene encodes a protein that is part of a post-splicing multiprotein complex involved in both mRNA nuclear export and mRNA surveillance. The encoded protein is one of two functional homologs to yeast Upf3p. mRNA surveillance detects exported mRNAs with truncated open reading frames and initiates nonsense-mediated mRNA decay (NMD). When translation ends upstream from the last exon-exon junction, this triggers NMD to degrade mRNAs containing premature stop codons. This protein binds to the mRNA and remains bound after nuclear export, acting as a nucleocytoplasmic shuttling protein. It forms with Y14 a complex that binds specifically 20 nt upstream of exon-exon junctions. This gene is located on the long arm of chromosome 13. Two splice variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],

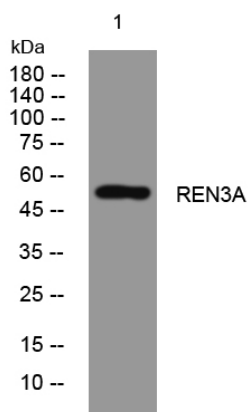
matters needing attention

Avoid repeated freezing and thawing!

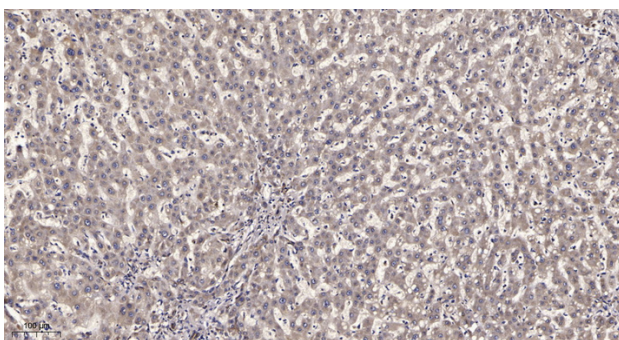
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from 293T cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA, pH9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 45min).