

Rent1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP07751
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human UPF1. AA range:299-348
Mol wt	124345
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	Rent1 Antibody
Synonyms	UPF1; KIAA0221; RENT1; Regulator of nonsense transcripts 1; ATP-dependent helicase RENT1; Nonsense mRNA reducing factor 1; NORF1; Up-frameshift suppressor 1 homolog; hUpf1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

UPF1 (UPF1, RNA helicase and ATPase) encodes a protein that is part of a post-splicing multiprotein complex involved in both mRNA nuclear export and mRNA surveillance. 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 is located only in the cytoplasm. When translation ends, it interacts with the protein that is a functional homolog of yeast Upf2p to trigger mRNA decapping. Use of multiple polyadenylation sites has been noted for UPF1. Alternative splicing results in multiple transcript variants.

Recommended Dilution

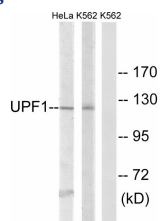
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

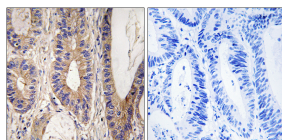
ELISA: 1: 20000

Not yet tested in other applications.

Images



Western blot analysis of lysates from K562 and HeLa cells, using UPF1 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using UPF1 Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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