



# Rent1 rabbit pAb

Cat No.:ES7030

For research use only

## Overview

<b>Product Name</b>	Rent1 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human UPF1. AA range:299-348
<b>Specificity</b>	Rent1 Polyclonal Antibody detects endogenous levels of Rent1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Regulator of nonsense transcripts 1
<b>Gene Name</b>	UPF1
<b>Cellular localization</b>	Cytoplasm . Cytoplasm, P-body. Nucleus . Cytoplasm, perinuclear region . Hyperphosphorylated form is targeted to the P-body, while unphosphorylated protein is distributed throughout the cytoplasm. Localized in the chromatoid bodies of round spermatids (By
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	110kD
<b>Human Gene ID</b>	5976
<b>Human Swiss-Prot Number</b>	Q92900
<b>Alternative Names</b>	UPF1; KIAA0221; RENT1; Regulator of nonsense transcripts 1; ATP-dependent helicase RENT1;

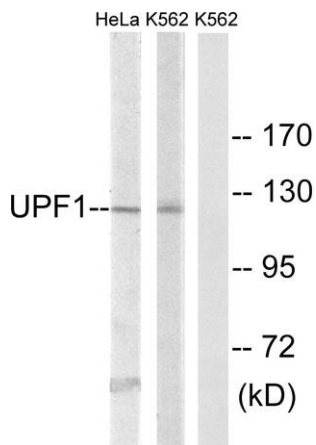
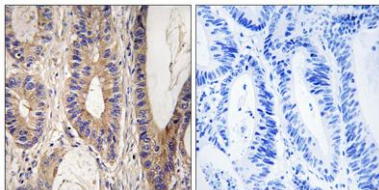




## Background

Nonsense mRNA reducing factor 1; NORF1; Up-frameshift suppressor 1 homolog; hUpf1  
This gene 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 this gene. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014],

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



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

