ARG56348
anti-UPF2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes UPF2
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	UPF2
Species	Human
Immunogen	Recombinant protein of Human UPF2
Conjugation	Un-conjugated
Alternate Names	smg-3; RENT2; Nonsense mRNA reducing factor 2; Regulator of nonsense transcripts 2; HUPF2; hUpf2; Up-frameshift suppressor 2 homolog

Application Instructions

Application table

Application	Dilution
IHC-P	1:50 - 1:200
IP	Assay-dependent
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: Jurkat

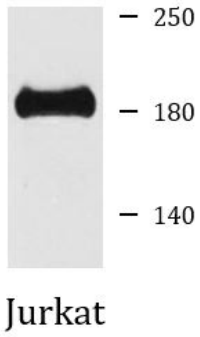
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 26019 Human Swiss-port # Q9HAU5 Human
Gene Symbol	UPF2
Gene Full Name	UPF2 regulator of nonsense transcripts homolog (yeast)
Background	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 in the perinuclear area. It interacts with translation release factors and the proteins that are functional homologs of yeast Upf1p and Upf3p. Two splice variants have been found for this gene; both variants encode the same protein. [provided by RefSeq, Jul 2008]
Function	Involved in nonsense-mediated decay (NMD) of mRNAs containing premature stop codons by associating with the nuclear exon junction complex (EJC). Recruited by UPF3B associated with the EJC core at the cytoplasmic side of the nuclear envelope and the subsequent formation of an UPF1-UPF2-UPF3 surveillance complex (including UPF1 bound to release factors at the stalled ribosome) is believed to activate NMD. In cooperation with UPF3B stimulates both ATPase and RNA helicase activities of UPF1. Binds spliced mRNA. [UniProt]
Calculated Mw	148 kDa

Images



ARG56348 anti-UPF2 antibody WB image

Western blot: Jurkat cell lysate stained with ARG56348 anti-UPF2 antibody.