

UPF1

Reactivity:Human Mouse Rat

Tested applications:WB IHC IF

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

Calculated MW:123kDa

Observed MW:Refer to Figures

Immunogen:

A synthetic peptide of human UPF1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

bj

Synonym:

FLJ43809; FLJ46894; HUPF1; KIAA0221; NORF1; RENT1; pNORF1;

Catalog #:A1521

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:5976

Isotype:IgG

Swiss Prot:Q92900

Purity:Affinity purification

For research use only.

Background:

Upf1 was identified as an active component in nonsense-mediated decay (NMD), an mRNA surveillance mechanism in eukaryotic cells that degrades mRNAs containing premature termination codons (1). Upf1 was found to be an ATP-dependent RNA helicase in the cytoplasm (2) and was later shown to be a component of cytoplasmic P-bodies (3). Upf1 phosphorylation mediates the repression of translation that accompanies NMD, allowing mRNA accessibility to the NMD machinery (4). Two other active components of NMD, Upf2 and Upf3, were also identified and described as having perinuclear and nucleocytoplasmic localization, respectively (5).

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