

For Research Use Only

# UPF1 Polyclonal antibody

Catalog Number: 28384-1-AP

Featured Product



## Basic Information

Catalog Number:

28384-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29057

GenBank Accession Number:

BC039817

GeneID (NCBI):

5976

UNIPROT ID:

Q92900

Full Name:

UPF1 regulator of nonsense transcripts homolog (yeast)

Calculated MW:

123 kDa

Observed MW:

123-130 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

Human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : HEK-293 cells, HeLa cells, Raji cells, SH-SY5Y cells, SKOV-3 cells

IHC : human breast cancer tissue,

## Background Information

Up-Frameshift Suppressor 1 Homolog (UPF1) is the central factor in nonsense-mediated mRNA decay (NMD) and is also directly involved in telomere homeostasis, DNA replication, histone mRNA degradation and staufen-mediated mRNA decay (PMID: 29382845). It is a potential modulator of MALAT1 and that UPF1/MALAT1 pathway could be a therapeutic target for gastric cancer (PMID: 28942451). The molecular mass of UPF1 is 123-130 kDa.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

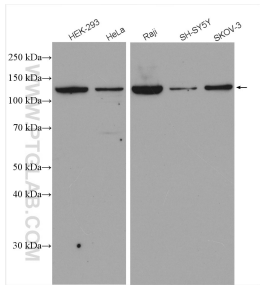
For technical support and original validation data for this product please contact:

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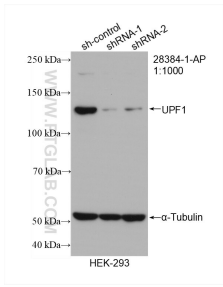
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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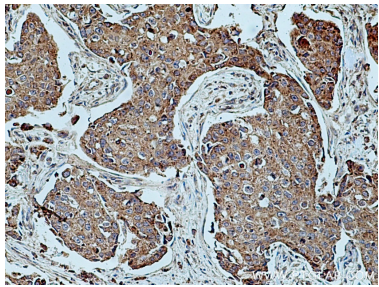
Selected Validation Data



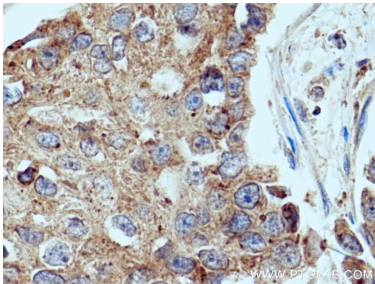
Various lysates were subjected to SDS PAGE followed by western blot with 28384-1-AP (UPF1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



WB result of UPF1 antibody (28384-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-UPF1 transfected HEK-293 cells.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 28384-1-AP (UPF1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 28384-1-AP (UPF1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).