

For Research Use Only

# PUM1 Polyclonal antibody

Catalog Number: 26256-1-AP

Featured Product

2 Publications



## Basic Information

**Catalog Number:**

26256-1-AP

**Size:**

500 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG24651

**GenBank Accession Number:**

BC013398

**GeneID (NCBI):**

9698

**UNIPROT ID:**

Q14671

**Full Name:**

pumilio homolog 1 (Drosophila)

**Calculated MW:**

1186 aa, 126 kDa

**Observed MW:**

130-140 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:4000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IF 1:50-1:500

## Applications

**Tested Applications:**

IF/ICC, IP, WB, ELISA

**Cited Applications:**

WB, IHC

**Species Specificity:**

human

**Cited Species:**

human

**Positive Controls:**

WB : MCF-7 cells,

IP : MCF-7 cells,

IF : MCF-7 cells,

## Background Information

PUM1, also named as Pumilio homolog 1, is a 1186 amino acid protein, which is expressed in brain, heart, kidney, muscle, intestine and stomach. PUM1 is a sequence-specific RNA-binding protein that acts as a post-transcriptional repressor by binding the 3'-UTR of mRNA targets. PUM1 binds to an RNA consensus sequence, the Pumilio Response Element (PRE), 5'-UGUANAUA-3', that is related to the Nanos Response Element (NRE). The calculated molecular weight of PUM1 is 126 kDa, but the modified PUM1 is about 130-140 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Beatriz Escudero-Paniagua	31095674	Carcinogenesis	WB
Xue Guan	29428722	Biochem Biophys Res Commun	WB,IHC

## 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

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

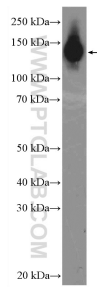
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

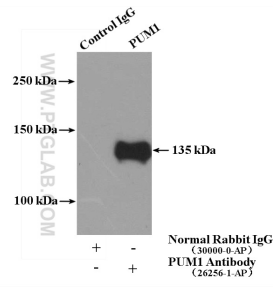
W: [ptgcn.com](http://ptgcn.com)

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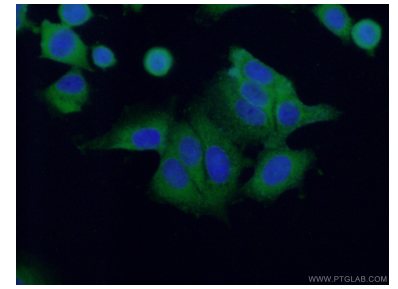
## Selected Validation Data



MCF-7 cells were subjected to SDS PAGE followed by western blot with 26256-1-AP (PUM1 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP result of anti-PUM1 (IP:26256-1-AP, 4ug; Detection:26256-1-AP 1:300) with MCF-7 cells lysate 3200ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using 26256-1-AP (PUM1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).