

# PUM1

## Polyclonal ANTIBODY

Catalog Number: 26256-1-AP

Featured Product

2 Publications

### Basic Information

Catalog Number:  
26256-1-AP

Size:  
46 µg/150 µl

Source:  
Rabbit

Isotype:  
IgG

Purification Method:  
Antigen affinity purification

Immunogen Catalog Number:  
AC24651

GenBank Accession Number:  
BC013398

GeneID (NCBI):  
9698

Full Name:  
pumilio homolog 1 (Drosophila)

Calculated MW:  
1186aa, 126 kDa

Observed MW:  
130-140 kDa

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 µg for IP and 1:200-1:1000 for WB

IF 1:50-1:500

### Applications

Tested Applications:

IF, IP, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human

Cited Species:

human

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

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 as 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 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

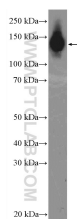
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

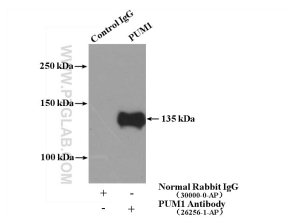
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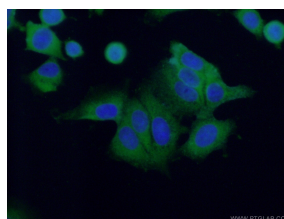
## Selected Validation Data



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) 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)