

For Research Use Only

# PUM1 Recombinant antibody

Catalog Number: 86129-1-RR



## Basic Information

<b>Catalog Number:</b> 86129-1-RR	<b>GenBank Accession Number:</b> BC013398	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9698	<b>CloneNo.:</b> 250792G4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q14671	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IF/ICC: 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> pumilio homolog 1 (Drosophila)	
<b>Immunogen Catalog Number:</b> AG24651	<b>Calculated MW:</b> 1186 aa, 126 kDa	
	<b>Observed MW:</b> 140 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> MCF-7 cells, rat brain tissue, A549 cells, K-562 cells, HEK-293 cells, NIH/3T3 cells
	<b>IF/ICC :</b> HeLa 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.

## Storage

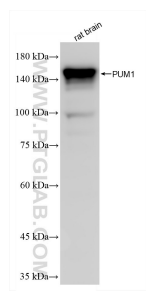
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

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

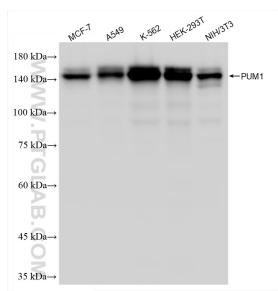
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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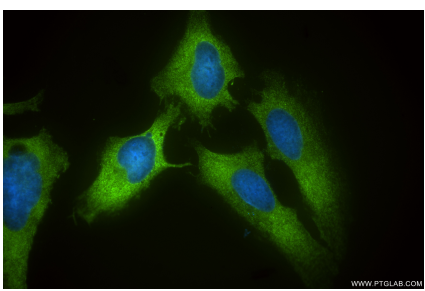
## Selected Validation Data



rat brain tissue were subjected to SDS PAGE followed by western blot with 86129-1-RR (PUM1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 86129-1-RR (PUM1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using PUM1 antibody (86129-1-RR, Clone: 250792G4 ) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).