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Datasheet for ABIN6146495  
**anti-PUM1 antibody (AA 1-280)**

2 Images

Overview

Quantity:	100 µL
Target:	PUM1
Binding Specificity:	AA 1-280
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PUM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-280 of human Pumilio 1 (NP_055491.1).
Sequence:	MSVACVLKRK AVLWQDSFSP HLKHHPEPA NPNMPVVLTS GTGSQAQPQP AANQALAAGT HSSPVPGSIG VAGRSQDDAM VDYFFQRQHG EQLGGGGSGG GGYNNSKHRW PTGDNIHAEH QVRSMDELNH DFQALALEGR AMGEQLLPK KFWETDESSK DGPKGIFLGD QWRDSAWGTS DHSVSQPIMV QRRPGQSFHV NSEVNSVLSP RSESGGLGVS MVEYVLSSSP GDSCLRKGGF GPRDADSDEN DKGEKKNKGT FDGDKLGLDK EEGDVMDKTN
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Target Details

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Target:	PUM1
Alternative Name:	PUM1 ( <a href="#">PUM1 Products</a> )
Background:	<p>This gene encodes a member of the PUF family, evolutionarily conserved RNA-binding proteins related to the Pumilio proteins of Drosophila and the fem-3 mRNA binding factor proteins of C. elegans. The encoded protein contains a sequence-specific RNA binding domain comprised of eight repeats and N- and C-terminal flanking regions, and serves as a translational regulator of specific mRNAs by binding to their 3' untranslated regions. The evolutionarily conserved function of the encoded protein in invertebrates and lower vertebrates suggests that the human protein may be involved in translational regulation of embryogenesis, and cell development and differentiation. Alternatively spliced transcript variants encoding different isoforms have been described.,PUM1,HSPUM,PUMH,PUMH1,PUM1L1,Epigenetics &amp; Nuclear Signaling,RNA Binding,Cell Biology &amp; Developmental Biology,Stem Cells,Germline Stem Cells,PUM1</p>
Molecular Weight:	119 kDa/124 kDa/126 kDa
Gene ID:	9698
UniProt:	<a href="#">Q14671</a>

## Application Details

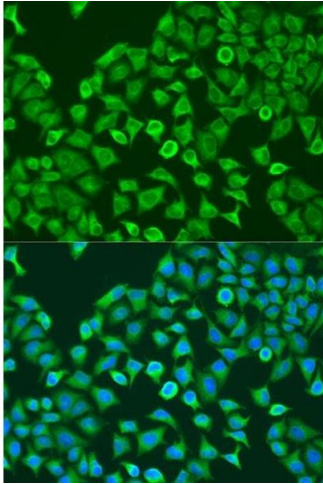
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Application Notes:	WB,1:500 - 1:1000,IF,1:50 - 1:100
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

## Handling

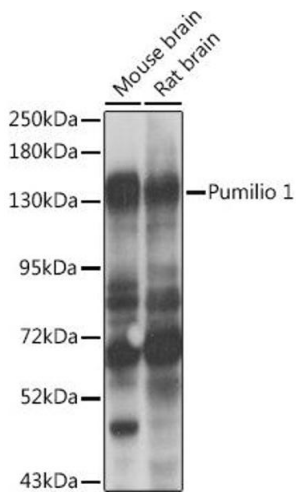
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Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



### Immunofluorescence

**Image 1.** Immunofluorescence analysis of U2OS cells using Pumilio 1 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using Pumilio 1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 15s.