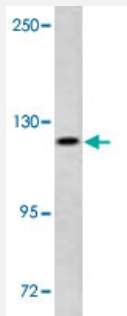


# PUM1 polyclonal antibody

Catalog # PAB2096

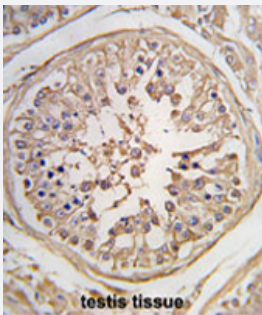
Size 400 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of HL-60 cell lysate (35 ug/lane) with PUM1 polyclonal antibody (Cat # PAB2096).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human testis tissue reacted with PUM1 polyclonal antibody (Cat # PAB2096) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.

This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of PUM1.
<b>Immunogen</b>	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human PUM1.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Protein A purification

<b>Recommend Usage</b>	Western Blot (1:1000) Immunohistochemistry (1:10-50) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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## Gene Info — PUM1

<b>Entrez GeneID</b>	<a href="#">9698</a>
<b>Protein Accession#</b>	<a href="#">Q14671</a>
<b>Gene Name</b>	PUM1
<b>Gene Alias</b>	HSPUM, KIAA0099, PUMH, PUMH1, PUML1
<b>Gene Description</b>	pumilio homolog 1 (Drosophila)
<b>Omim ID</b>	<a href="#">607204</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>

**Gene Summary**

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. [provided by RefSeq]

**Other Designations**

OTTHUMP00000003892|pumilio 1

**Publication Reference**

- [Polymorphisms of the human PUMILIO2 gene and male sterility.](#)

Kusz K, Ginter-Matuszewska B, Ziolkowska K, Spik A, Bierla J, Jedrzejczak P, Latos-Bielenska A, Pawelczyk L, Jaruzelska J. Molecular Reproduction and Development 2007 Jun; 74(6):795.

- [Candidate mRNAs interacting with fertility protein PUMILIO2 in the human germ line.](#)

Spik A, Oczkowski S, Olszak A, Kotecki M, Formanowicz P, Blazewicz J, Jaruzelska J. Biology of Reproduction 2006 Feb; 6 Suppl 1:37.

- [Human Pumilio-2 is expressed in embryonic stem cells and germ cells and interacts with DAZ \(Deleted in AZoospermia\) and DAZ-like proteins.](#)

Moore FL, Jaruzelska J, Fox MS, Urano J, Firpo MT, Turek PJ, Dorfman DM, Pera RA. PNAS 2003 Jan; 100(2):538.

**Disease**

- [Tobacco Use Disorder](#)