



Rabbit Anti-Pumilio 1 antibody

SL11218R

Product Name:	Pumilio 1
Chinese Name:	PUM1蛋白抗体
Alias:	HSPUM; KIAA0099; PUM 1; PUM L1; PUM1; PUM1_HUMAN; PUMH 1; PUMH; PUMH1; Pumilio homolog 1; Pumilio-1; Pumilio1; PUML 1; PUML1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	126kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Pumilio 1:201-300/1186
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Pumilio 1, also known as PUM1, PUMH1 (Pumilio homolog 1), HSPUM, PUMH or PUML1, is a homolog of the Drosophila Pumilio protein and belongs to the PUF family. The PUF family is comprised of evolutionarily conserved proteins that contain a C-terminal RNA binding domain made up of eight highly conserved tandem repeats. PUF proteins function as sequence-specific RNA-binding proteins and bind NREs (nanos response elements) in the 3'-untranslated regions of target mRNAs. They play an

important role mediating mRNA stabilization and repressing translation. Pumilio 1 is a typical PUF protein expressed in fetal tissues as well as adult stomach, kidney, intestine, muscle, brain and heart tissues. Pumilio 1 localizes to the cytoplasm and is believed to participate in cell fate, cell development, cell differentiation and maintenance of somatic stem cells.

Function:

Sequence-specific RNA-binding protein that regulates translation and mRNA stability by binding the 3'-UTR of mRNA targets. May be required to support proliferation and self-renewal of stem cells (By similarity).

Subunit:

Binds in a sequence-specific manner to the 3'-UTR of some mRNAs.

Subcellular Location:

Cytoplasm (Probable).

Tissue Specificity:

Expressed in brain, heart, kidney, muscle, intestine and stomach. Not expressed in cerebellum, corpus callosum, caudate nucleus, hippocampus, medulla oblongata and putamen. Expressed in all fetal tissues tested.

Similarity:

Contains 1 PUM-HD domain.

Contains 8 pumilio repeats.

SWISS:

Q14671

Gene ID:

9698

Database links:

[Entrez Gene: 9698](#)Human

[Entrez Gene: 80912](#)Mouse

[Omim: 607204](#)Human

[SwissProt: Q14671](#)Human

[SwissProt: Q80U78](#)Mouse

[Unigene: 281707](#)Human

[Unigene: 440206](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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