

Revision 1

Store at
-20C
#12322

Pumilio 1 Antibody

Orders: 877-616-CELL (2355)
orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com
cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP	H M	Endogenous	140	Rabbit	#Q14671	9698

Product Usage Information

Application

Western Blotting
Immunoprecipitation

Dilution

1:1000
1:100

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

Pumilio 1 Antibody recognizes endogenous levels of total pumilio 1 protein.

Species predicted to react based on 100% sequence homology

Rat, Monkey

Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly169 of human pumilio 1 protein. Antibodies are purified by protein A and peptide affinity chromatography.

Background

Pumilio 1 and Pumilio 2 (PUM1, PUM2, or Pumilio homolog 1 and 2, respectively) are evolutionarily conserved RNA binding proteins that are thought to repress translation and stability of mRNA targets by binding to the 3'-UTR of specific RNA sequences (1). Pumilio proteins have been implicated in the regulation of genes involved in embryogenesis and germline cell development (2). Research studies have shown that PUM2 may have a role in neural stem cell fate decisions (3).

Background References

1. Weidmann, C.A. and Goldstrohm, A.C. (2012) *Mol Cell Biol* 32, 527-40.
2. Spassov, D.S. and Jurecic, R. (2003) *IUBMB Life* 55, 359-66.
3. Vessey, J.P. et al. (2012) *Cell Stem Cell*, .

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: Human **M:** Mouse

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