

#12323 Store at -20C

Pumilio 2 Antibody


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For Research Use Only. Not for Use in Diagnostic Procedures.

| Applications: | Reactivity: | Sensitivity: | MW (kDa): | Source: | UniProt ID: | Entrez-Gene Id: |
|---------------|-------------|--------------|-----------|---------|-------------|-----------------|
| WB, IP | H M | Endogenous | 110-125 | Rabbit | #Q8TB72 | 23369 |

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 2 Antibody recognizes endogenous levels of total Pumilio 2 protein. Pumilio 2 Antibody is expected to recognize all three known Pumilio 2 protein isoforms. Cross reactive bands of unknown origin are observed around 45 kDa.

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 near the carboxy terminus of human Pumilio 2 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

WB: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Mi:** mink **C:** chicken **Dm:** D. melanogaster
X: Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Sc:** S. cerevisiae **Ce:** C. elegans **Hr:** horse
GP: Guinea Pig **Rab:** rabbit **All:** all species expected

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