

Product datasheet for **AP14216PU-N**

Pumilio 1 (PUM1) (N-term) Rabbit Polyclonal Antibody

Product data:

| | |
|-----------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | Peptide ELISA: 1/1,000. Western blotting: 11,000. Immunohistochemistry: 1/10-1/50. |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | Ig |
| Clonality: | Polyclonal |
| Immunogen: | KLH conjugated synthetic peptide between 133-162 amino acids from the N-terminal region of human PUM2. |
| Specificity: | This antibody reacts to Pumilio 1 (PUM1). |
| Formulation: | PBS with 0.09% (W/V) sodium azide State: Aff - Purified State: Liquid purified Ig fraction |
| Concentration: | lot specific |
| Purification: | Protein A column, followed by peptide affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | pumilio RNA binding family member 1 |
| Database Link: | Entrez Gene 9698 Human Q14671 |



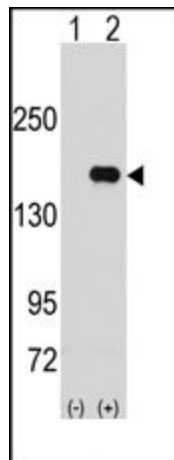
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Background:

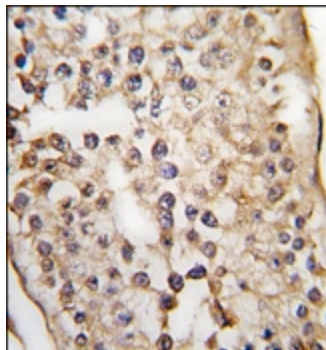
PUM1 is a member of the PUF family, evolutionarily conserved RNA-binding proteins related to the Pumilio proteins of *Drosophila* and the fem-3 mRNA binding factor proteins of *C. elegans*. This protein contains a sequence-specific RNA binding domain comprised of eight repeats and N- and C-terminal flanking regions, and serves as a translational regulator of specific mRNAs by binding to their 3' untranslated regions. The evolutionarily conserved function of this protein in invertebrates and lower vertebrates suggests that the human protein may be involved in translational regulation of embryogenesis, and cell development and differentiation.

Synonyms:

Pumilio homolog 1, HsPUM, Pumilio-1, PUMH1, KIAA0099

Product images:

Western blot analysis of PUM1 (arrow) using rabbit polyclonal PUM1 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PUM1 gene (Lane 2)



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