

Product datasheet for **AP14501PU-N**

Pumilio 2 (PUM2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blot: 1/50~1/100. Immunohistochemistry: 1/10~1/50. Flow Cytometry: 1/10~1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 159-189 amino acids from Human PUM2
Specificity:	This antibody recognizes Pumilio 2 (PUM2).
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein A Chromatography 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 2
Database Link:	Entrez Gene 23369 Human Q8TB72
Background:	PUM2 is a sequence-specific RNA-binding protein that regulates translation and mRNA stability by binding the 3' UTR of mRNA targets. Its interactions and tissue specificity suggest that it may be required to support proliferation and self-renewal of stem cells by regulating the translation of key transcripts.



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Synonyms: Pumilio homolog 2, PUM-2, Pumilio-2, PUMH2, KIAA0235

Note: **Calculated Molecular Weight:** 114216 Da

Product images:

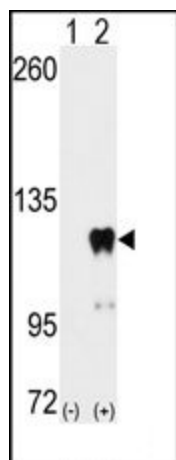


Figure 1. Western blot analysis of PUM2 (arrow) using PUM2 Antibody. 293 cell lysates (2 ug/lane) either non-transfected (Lane 1) or transiently transfected with the PUM2 gene (Lane 2) (Origene Technologies).

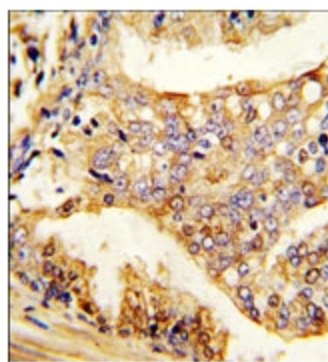


Figure 2. Formalin-fixed and paraffin-embedded human prostate carcinoma reacted with PUM2 Antibody (S182), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

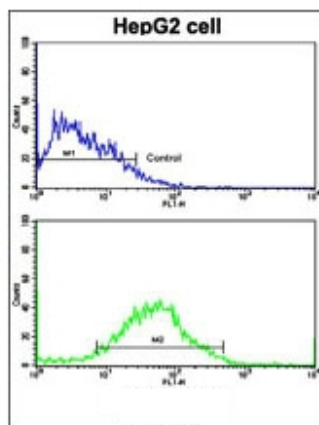


Figure 3. Flow cytometric analysis of HepG2 cells using PUM2 Antibody (S182) (Bottom Histogram) compared to a Negative Control cell (Top Histogram). FITC-conjugated Goat-anti-Rabbit secondary antibodies were used for the analysis.