

DATASHEET

Pumilio 1 Rabbit Polyclonal Antibody

CAT. NO. APA12820

KEY FEATURES

| | | | |
|---------------|---|---------------|--------------------|
| Target | Pumilio 1 | Source / Host | Rabbit |
| Reactivity | Human, Mouse, Rat | Clonality | Polyclonal |
| Applications | WB, IF/ICC | Conjugation | Unconjugated |
| Form / Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. | | Storage at-20°C |

BACKGROUND

Sequence-specific RNA-binding protein that acts as a post-transcriptional repressor by binding the 3'-UTR of mRNA targets. Binds to an RNA consensus sequence, the Pumilio Response Element (PRE), 5'-UGUANAUA-3', that is related to the Nanos Response Element (NRE) , 5'-UGUANAUA-3', that is related to the Nanos Response Element (NRE) . Mediates post-transcriptional repression of transcripts via different mechanisms: acts via direct recruitment of the CCR4-POP2-NOT deadenylase leading to translational inhibition and mRNA degradation . Also mediates deadenylation-independent repression by promoting accessibility of miRNAs .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|--------|----------------|
| WB | 1:500 - 1:1000 |
| IF/ICC | 1:50 - 1:200 |

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

| | |
|-------------------|---|
| Description | Rabbit polyclonal antibody to Pumilio 1 |
| Specificity | Recognizes endogenous levels of Pumilio 1 protein. |
| Antibody Type | Primary antibody |
| Immunogen | Recombinant fusion protein of human Pumilio 1 |
| Purification | The antibody was purified by immunogen affinity chromatography. |
| Molecular Weight | Predicted: 119; Observed: 135 kD |
| Form/Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Alternative Names | KIAA0099; PUMH1; Pumilio homolog 1; HsPUM; Pumilio-1 |
| Gene Symbol | PUM1 |
| Entrez Gene | 9698(Human); 80912(Mouse) |
| SwissProt | Q14671(Human); Q80U78(Mouse) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

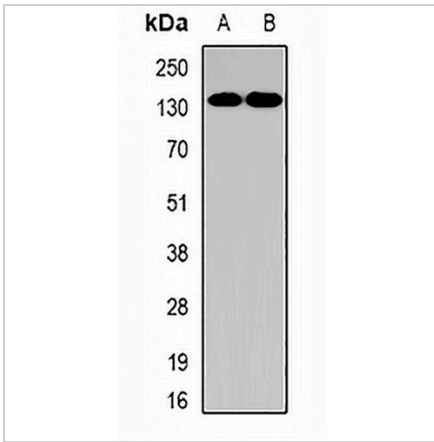
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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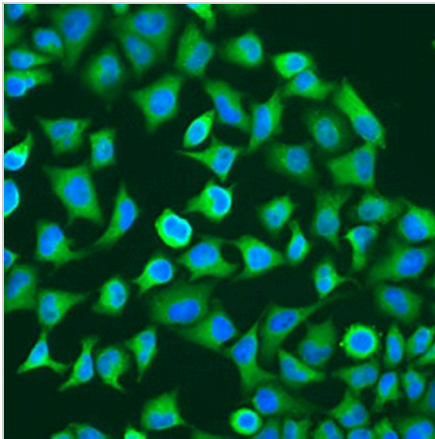
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DATA



Western blot analysis of Pumilio 1 expression in K562 (A), NIH3T3 (B) whole cell lysates. (Predicted band size: 119; 124; 126 kD; Observed band size: 135 kD)



Immunofluorescent analysis of Pumilio 1 staining in U2OS cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AREX® Fluor 488 -conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.