

Product Name: KD-Validated PUM2 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00934**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 114.2kDa

Antigen Information

Gene Name	PUM2
Alternative Names	Pumilio RNA Binding Family Member 2; PUMH2; KIAA0235; Pumilio Homolog 2; Pumilio-2; Pumilio Homolog 2 (Drosophila); PUML2
Gene ID	23369.0
SwissProt ID	Q8TB72
Immunogen	A synthesized peptide derived from human Pumilio 2

Background

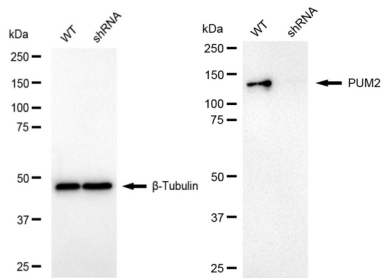
This gene encodes a protein that belongs to a family of RNA-binding proteins. The encoded protein functions as a translational repressor during embryonic development and cell differentiation. This protein is also thought to be a positive regulator of cell proliferation in adipose-derived stem cells. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep

2013]

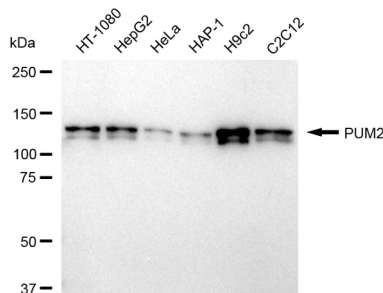
Research Area

Epigenetics and Nuclear Signaling, Stem Cells, Developmental Biology

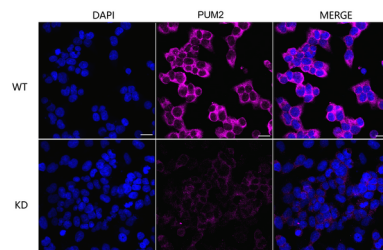
Image Data



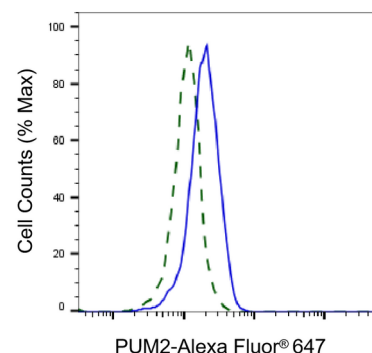
Western blotting analysis using PUM2 antibody (KVA00934). PUM2 expression in wild type (WT) and PUM2 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with PUM2 antibody (KVA00934, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



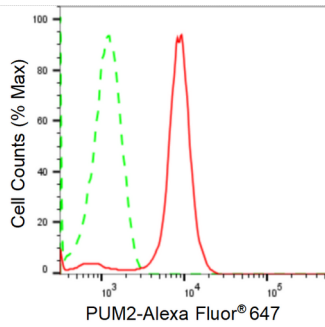
Western blotting analysis using PUM2 antibody (KVA00934). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with PUM2 antibody (KVA00934, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells using PUM2 antibody (KVA00934, 1:1,000). Top panel: wild-type (WT); Bottom panel: PUM2 shRNA knockdown (KD). Nuclei were stained blue with DAPI; PUM2 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm. Permeabilization: Triton.



Validation of PUM2 knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with PUM2 antibody (KVA00934, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of PUM2 expression in H9c2 cells using PUM2 antibody (KVA00934, 1:2,000). Green, isotype control; red, PUM2.