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Datasheet for ABIN6146494  
**anti-PUM1 antibody (AA 1-130)**

2 Images

Overview

Quantity:	100 µL
Target:	PUM1
Binding Specificity:	AA 1-130
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PUM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-130 of human Pumilio 1 (NP_055491.1).
Sequence:	MSVACVLKRK AVLWQDSFSP HLKHPQEPANPNMPVVLTS GTGSQAQPQP AANQALAAGT HSSPVPGSIG VAGRSQDDAM VDYFFQRQHG EQLGGGGSGG GGYNNSKHRW PTGDNIHAEH QVRSMDELNH
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

Target Details

Target:	PUM1
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## Target Details

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Alternative Name: [pum1 \(PUM1 Products\)](#)

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Background: This gene encodes 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*. The encoded 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 the encoded protein in invertebrates and lower vertebrates suggests that the human protein may be involved in translational regulation of embryogenesis, and cell development and differentiation. Alternatively spliced transcript variants encoding different isoforms have been described.,PUM1,HSPUM,PUMH,PUMH1,PUML1,Epigenetics & Nuclear Signaling,RNA Binding,Cell Biology & Developmental Biology,Stem Cells,Germline Stem Cells,pum1

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Molecular Weight: 119 kDa/124 kDa/126 kDa

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Gene ID: 9698

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UniProt: [Q14671](#)

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## Application Details

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Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

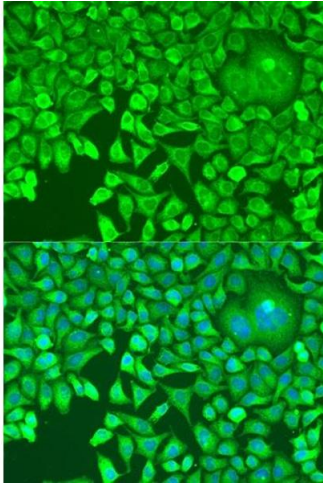
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Storage: -20 °C

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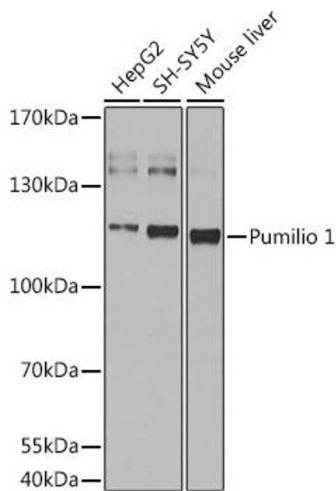
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

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### Immunofluorescence

**Image 1.** Immunofluorescence analysis of U2OS cells using Pumilio 1 antibody (ABIN6132539, ABIN6146494, ABIN6146496 and ABIN6217367) at dilution of 1:100. Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using Pumilio 1 antibody (ABIN6132539, ABIN6146494, ABIN6146496 and ABIN6217367) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.