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Datasheet for ABIN359733
anti-PUM1 antibody (Tyr83)

2 Images

Overview

Quantity:	0.4 mL
Target:	PUM1
Binding Specificity:	Tyr83
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PUM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide corresponding to amino acid residues surrounding Y83 of human PUM1.
Isotype:	Ig Fraction
Specificity:	This antibody reacts to PUM1.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	PUM1
Alternative Name:	Pumilio 1 / PUM1 (PUM1 Products)

Target Details

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

Gene ID: 9698, 9606

UniProt: [Q14671](#)

Application Details

Application Notes: ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Immunohistochemistry: 1/10 - 1/50.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS with 0.09 % (W/V) sodium azide

Preservative: Sodium azide

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

Handling Advice: Avoid repeated freezing and thawing.

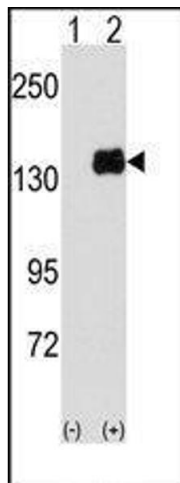
Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human brain tissue reacted with Phospho-PUM1-Y83.ctrl antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Western Blotting

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