

For Research Use Only

PUM2 Polyclonal antibody

Catalog Number: 11586-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

11586-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 153 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2179

GenBank Accession Number:

BC024218

GeneID (NCBI):

23369

UNIPROT ID:

Q8TB72

Full Name:

pumilio homolog 2 (Drosophila)

Calculated MW:

114 kDa

Observed MW:

95 kDa, 140 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : mouse testis tissue,

Background Information

PUM2 (Human Pumilio homology protein 2), a member of the PUF protein family, binds to 3' untranslated regions (3' UTRs) of mRNA and to repress gene expression by controlling cytoplasmic polyadenylation and affecting mRNA translation [PMID:12459267]. When translationally dormant, PUM2, CPEB (CPE-binding protein) and Maskin form a complex on maternal cyclin B1 mRNA, precluding the formation of the active translation initiation complex [PMID:15687499]. PUM2 has been found to play a role in the mammalian nervous system, in particular in regulating morphology, arborization and excitability of neuronal dendrites [PMID:22016787]. The calculated molecular weight of PUM2 is 114 kDa, but the modified PUM2 protein is about 140 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Lansheng Zhang	30909144	Biomed Pharmacother	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

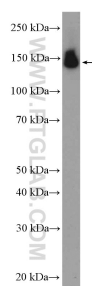
For technical support and original validation data for this product please contact:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 11586-1-AP (PUM2 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.