

For Research Use Only

PAIP1 Polyclonal antibody

Catalog Number: 10675-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

10675-1-AP

Size:

650 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1070

GenBank Accession Number:

BC005295

GeneID (NCBI):

10605

UNIPROT ID:

Q9H074

Full Name:

poly(A) binding protein interacting protein 1

Calculated MW:

70 kDa

Observed MW:

60 kDa, 51 kDa, 40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IF 1:20-1:200

Applications

Tested Applications:

IF/ICC, IP, WB, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human, monkey

Cited Species:

human

Positive Controls:

WB : HeLa cells, BxPC-3 cells, COS-7 cells

IP : HeLa cells,

IF : MCF-7 cells,

Background Information

In initiation of translation in eukaryotes, binding of the small ribosomal subunit to mRNA requires recognition of the 5-prime cap structure by the cap-binding complex eIF4F. eIF4F consists of eIF4E, eIF4A, and eIF4G. Translation initiation is further regulated by the mRNA 3-prime poly(A) tail and the poly(A)-binding protein (PABC1). PAIP1 interacts with PABC1 and some eIF4 complexes [PMID:9548260]. It is a coactivator in the regulation of translation initiation of poly(A)-containing mRNAs, and associates with EIF4A and PABPC1 may potentiate contacts between mRNA termini [PMID:11051545].

Notable Publications

Author	Pubmed ID	Journal	Application
Emma Jane Mead	26420881	Biochem J	WB
Yue He	30295753	Biol Reprod	WB, IHC, IF
Yixuan Wang	30496797	Hum Pathol	WB, IHC

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

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

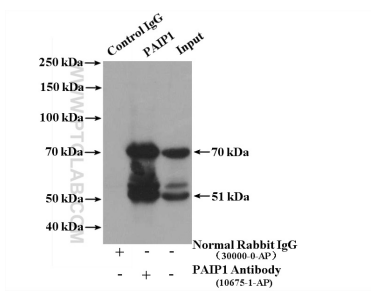
T: 4006900926

E: Proteintech-CN@ptglab.com

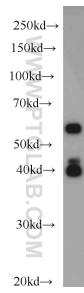
W: ptgcn.com

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

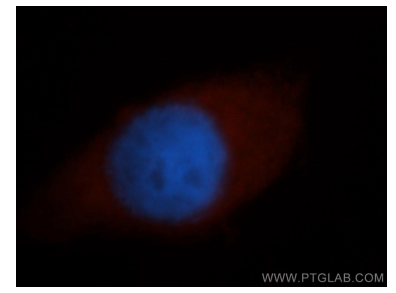
Selected Validation Data



IP result of anti-PAIP1 (IP:10675-1-AP, 4 μ g; Detection:10675-1-AP 1:300) with HeLa cells lysate 3000 μ g.



HeLa cells were subjected to SDS PAGE followed by western blot with 10675-1-AP (PAIP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of MCF-7 cells, using PAIP1 antibody 10675-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).