

For Research Use Only

PABPC4 Monoclonal antibody

Catalog Number: 68187-1-Ig



Basic Information

Catalog Number:	68187-1-Ig	GenBank Accession Number:	BC065540	Purification Method:	Protein G purification
Size:	150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI):	8761	CloneNo.:	1E6B3
Source:	Mouse	UNIPROT ID:	Q13310	Recommended Dilutions:	WB 1:5000-1:50000 IHC 1:500-1:2000 IF/ICC 1:500-1:2000
Isotype:	IgG1	Full Name:	poly(A) binding protein, cytoplasmic 4 (inducible form)		
Immunogen Catalog Number:	AG6813	Calculated MW:	70 kDa		
		Observed MW:	71 kDa		

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
Human, Mouse, Rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HCT 116 cells, HSC-T6 cells, NIH/3T3 cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells

IHC : human colon cancer tissue, mouse skeletal muscle tissue

IF/ICC : A431 cells,

Background Information

Poly(A)-binding protein (PABP), a nucleocytoplasmic shuttling protein, has a fundamental role in promoting gene expression by enhancing mRNA translation and stability(PMID: 21940797). Poly(A)-binding protein 4 (PABPC4), one of the homologs of PABP, was initially identified as a human T-cell activation-induced protein. PABPC4 may also be involved in the regulation of protein translation in platelets and megakaryocytes or may participate in the binding or stabilization of polyadenylates in platelet dense granules(NCBI).

Storage

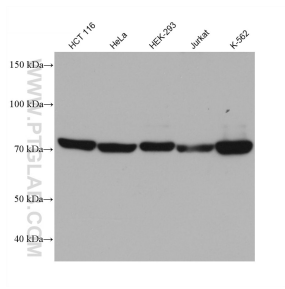
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



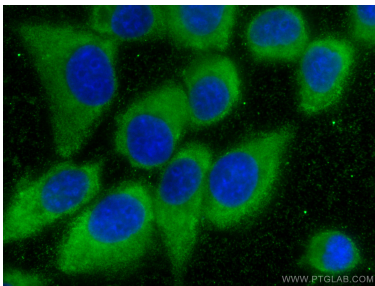
Various lysates were subjected to SDS PAGE followed by western blot with 68187-1-Ig (PABPC4 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 68187-1-Ig (PABPC4 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 68187-1-Ig (PABPC4 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using PABPC4 antibody (68187-1-Ig, Clone: 1E6B3) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).