

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 µg/ml by Nanodrop;	GeneID (NCBI): 8761	CloneNo.: 1E6B3
Source: Mouse	Full Name: poly(A) binding protein, cytoplasmic 4 (inducible form)	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000 IF 1:500-1:2000
Isotype: IgG1	Calculated MW: 70 kDa	
Immunogen Catalog Number: AG6813	Observed MW: 71 kDa	

Applications

Tested Applications:

IF, IHC, WB, 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 : 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

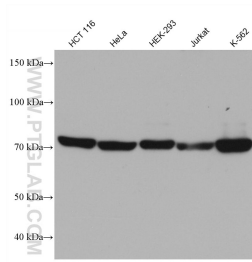
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

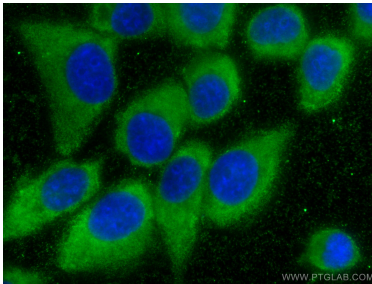
E: proteintech@ptglab.com
W: ptglab.com

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.



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 AffiniPure Goat Anti-Mouse IgG(H+L).



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).