

For Research Use Only

PABPC4 Monoclonal antibody, PBS Only



Catalog Number: 68187-1-PBS

Basic Information

Catalog Number: 68187-1-PBS	GenBank Accession Number: BC065540	Purification Method: Protein G purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 8761	CloneNo.: 1E6B3
Source: Mouse	UNIPROT ID: Q13310	
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, IF, IHC, Indirect ELISA

Species Specificity:
Human, Mouse, Rat

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

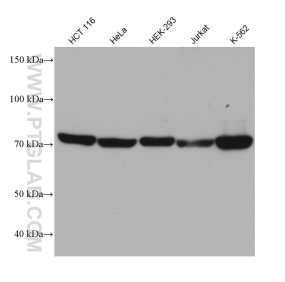
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

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
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Selected Validation Data



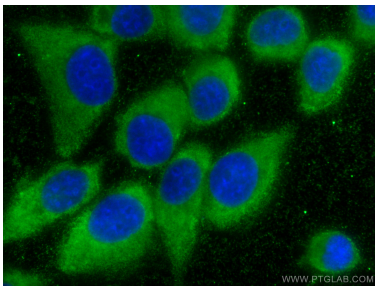
Various lysates were subjected to SDS PAGE followed by western blot with 68187-1-Ig (PABPC4 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68187-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68187-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68187-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68187-1-PBS in a different storage buffer formulation.