

For Research Use Only

CoraLite® Plus 488-conjugated PABPC1,PABP Monoclonal antibody



Catalog Number:CL488-66809

Basic Information

Catalog Number: CL488-66809	GenBank Accession Number: BC015958	Purification Method: Protein G purification
Size: 100ul , Concentration: 2000 µg/ml by Nanodrop;	GeneID (NCBI): 26986	CloneNo.: 3D8B5
Source: Mouse	UNIPROT ID: P11940	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: poly(A) binding protein, cytoplasmic 1	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG27860	Calculated MW: 71 kDa	
	Observed MW: 71 kDa	

Applications

Tested Applications: IF	Positive Controls: IF/ICC : HEK-293 cells,
Species Specificity: Human, rat	

Background Information

The poly(A)-binding protein (PABP), which is found complexed to the 3-prime poly(A) tail of eukaryotic mRNA, is required for poly(A) shortening and translation initiation [PMID:21989405]. Polyadenylate-binding protein 1 (PABPC1) is a cytoplasmic-nuclear shuttling protein important for protein translation initiation, and both RNA processing and stability. In the cytoplasm, PABPC1 binds to the 3' poly(A) tail of eukaryotic mRNAs through its RNA-recognition motifs (RRM) and interacts with the N-terminus of eIF4G, part of the eIF4F complex associated with the 5' cap structure [PMID:20009508, 17381337].

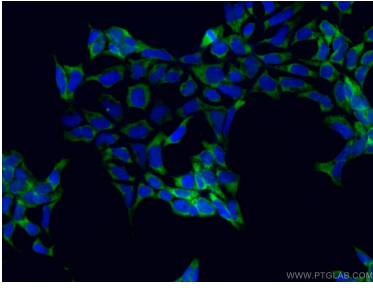
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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)
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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



Immunofluorescent analysis of (-20°C Ethanol)
fixed HEK-293 cells using CL488-66809
(PABPC1,PABP antibody) at dilution of 1:100.