

CoraLite®594-conjugated PABPC1,PABP Monoclonal antibody

Catalog Number: CL594-66809

1 Publications

Basic Information

Catalog Number:

CL594-66809

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG27860

GenBank Accession Number:

BC015958

GeneID (NCBI):

26986

UNIPROT ID:

P11940

Full Name:

poly(A) binding protein, cytoplasmic
1

Calculated MW:

71 kDa

Observed MW:

71 kDa

Purification Method:

Protein G purification

CloneNo.:

3D8B5

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC

Cited Applications:

IF

Species Specificity:

Human, rat

Cited Species:

human

Positive Controls:

IF/ICC : HEK-293 cells,

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].

Notable Publications

Author	Pubmed ID	Journal	Application
Benjamin M Greulich	37956771	J Biol Chem	IF

Storage

Storage:

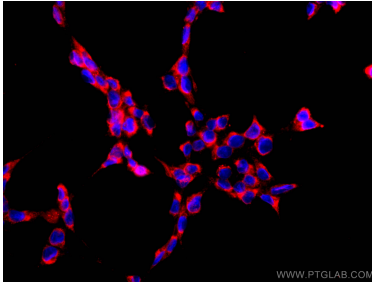
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using CoraLite®594-conjugated PABPC1,PABP antibody (CL594-66809, Clone: 3D8B5) at dilution of 1:100.