

PABPC1

Reactivity: Human Mouse Rat

Tested applications: WB IHC IF IP FC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200 IP 1:20 - 1:50

FC 1:20 - 1:50

Calculated MW: 71kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human PABPC1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

j

Synonym:

PAB1; PABP; PABP1; PABPC2; PABPL1;

Catalog #: A0516

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 26986

Isotype: IgG

Swiss Prot: P11940

Purity: Affinity purification

For research use only.

Background:

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].

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