

## 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:**

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**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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