

Recombinant Human PABPC1 cell lysate

Cat. No. PABPC1-1269HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	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. In humans, the PABPs comprise a small nuclear isoform and a conserved gene family that displays at least 3 functional proteins: PABP1 (PABPC1), inducible PABP (iPABP, or PABPC4; MIM 603407), and PABP3 (PABPC3; MIM 604680). In addition, there are at least 4 pseudogenes, PABPCP1 to PABPCP4.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	PABPC1 poly(A) binding protein, cytoplasmic 1 [Homo sapiens]
Official Symbol	PABPC1
Synonyms	PABPC1; poly(A) binding protein, cytoplasmic 1; PAB1, PABPC2, poly(A) binding protein, cytoplasmic 2; polyadenylate-binding protein 1; PABP1; PABPL1; poly(A)

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	binding protein, cytoplasmic 2; PAB1; PABP; PABPC2;
Gene ID	26986
mRNA Refseq	NM_002568
Protein Refseq	NP_002559
MIM	604679
UniProt ID	P11940
Chromosome Location	8q22.2-q23
Pathway	Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S, organism-specific biosystem; Cap-dependent Translation Initiation, organism-specific biosystem; Deadenylation of mRNA, organism-specific biosystem; Deadenylation-dependent mRNA decay, organism-specific biosystem; Destabilization of mRNA by AUF1 (hnRNP D0), organism-specific biosystem; Eukaryotic Translation Initiation, organism-specific biosystem; Gene Expression, organism-specific biosystem;
Function	RNA binding; nucleotide binding; poly(A) RNA binding; poly(A) RNA binding; protein C-terminus binding; protein binding; translation activator activity;