

Recombinant Human PABPC4 cell lysate

Cat. No. PABPC4-1271HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	Poly(A)-binding proteins (PABPs) bind to the poly(A) tail present at the 3-prime ends of most eukaryotic mRNAs. PABPC4 or IPABP (inducible PABP) was isolated as an activation-induced T-cell mRNA encoding a protein. Activation of T cells increased PABPC4 mRNA levels in T cells approximately 5-fold. PABPC4 contains 4 RNA-binding domains and proline-rich C terminus. PABPC4 is localized primarily to the cytoplasm. It is suggested that PABPC4 might be necessary for regulation of stability of labile mRNA species in activated T cells. PABPC4 was also identified as an antigen, APP1 (activated-platelet protein-1), expressed on thrombin-activated rabbit platelets. PABPC4 may also be involved in the regulation of protein translation in platelets and megakaryocytes or may participate in the binding or stabilization of polyadenylates in platelet dense granules. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
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

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Gene Name	PABPC4 poly(A) binding protein, cytoplasmic 4 (inducible form) [Homo sapiens]
Official Symbol	PABPC4
Synonyms	PABPC4; poly(A) binding protein, cytoplasmic 4 (inducible form); polyadenylate-binding protein 4; APP 1; iPABP; PABP-4; poly(A)-binding protein 4; activated-platelet protein 1; inducible poly(A)-binding protein; APP1; APP-1; PABP4; FLJ43938;
Gene ID	8761
mRNA Refseq	NM_001135653
Protein Refseq	NP_001129125
MIM	603407
UniProt ID	Q13310
Chromosome Location	1p34.2
Pathway	RNA degradation, organism-specific biosystem; RNA degradation, conserved biosystem; RNA transport, organism-specific biosystem; RNA transport, conserved biosystem; mRNA surveillance pathway, organism-specific biosystem; mRNA surveillance pathway, conserved biosystem;
Function	RNA binding; nucleotide binding; poly(A) RNA binding; NOT poly(C) RNA binding; poly(U) RNA binding; protein binding;