PABP4 Polyclonal Antibody

Catalog No	YP-Ab-05944
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	PABPC4 APP1 PABP4
Protein Name	Polyadenylate-binding protein 4 (PABP-4) (Poly(A)-binding protein 4) (Activated-platelet protein 1) (APP-1) (Inducible poly(A)-binding protein) (iPABP)
Immunogen	Synthesized peptide derived from human protein . at AA range: 190-270
Specificity	PABP4 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	70kD
Cell Pathway	Cytoplasm . Localized in cytoplasmic mRNP granules containing untranslated mRNAs.
Tissue Specificity	Expressed at low levels in resting normal T cells; following T-cell activation, however, mRNA levels are rapidly up-regulated.
Function	function:Binds the poly(A) tail of mRNA. May be involved in cytoplasmic regulatory processes of mRNA metabolism. Can probably bind to cytoplasmic RNA sequences other than poly(A) in vivo.,PTM:Arg-518 is dimethylated, probably to asymmetric dimethylarginine.,similarity:Belongs to the polyadenylate-binding protein type-1 family.,similarity:Contains 1 PABC domain.,similarity:Contains 4 RRM (RNA recognition motif) domains.,subunit:Interacts with NFX1.,tissue specificity:Expressed at low levels in resting normal T cells; following T-cell activation, however, mRNA levels are rapidly up-regulated.,
Background	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 va
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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