

Rabbit PABPC4 Polyclonal Antibody | anti-PABPC4 antibody

PABPC4 Antibody

CATALOG # AAA328103	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

PABPC4; Polyclonal Antibody; PABPC4 Antibody; Activated platelet protein 1; Activated-platelet protein 1; APP 1; APP-1; APP1; FLJ43938; Inducible poly(A) binding protein; Inducible poly(A)-binding protein; iPABP; IPABP4; PABP 4; PABP-4; PABP4; PABP4_HUMAN; PABPC 4; Poly A binding protein cytoplasmic 4; Poly(A) binding protein 4; Poly(A) binding protein cytoplasmic 4 (inducible form); Poly(A) binding protein cytoplasmic 4; Poly(A)-binding protein 4; Polyadenylate binding protein 4; Polyadenylate-binding protein 4; Polyadenylate-binding protein; cytoplasmic; 4; inducible; anti-PABPC4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PABPC4 antibody detects endogenous levels of total PABPC4
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	660
Applicable Applications for anti-PABPC4 antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human PABPC4
Subcellular Location	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.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from mouse muscle, mouse liver, using PABPC4 Antibody.



WB (Western Blot)
Western blot analysis of PABPC4 using NIH-3T3 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-PABPC4 antibody	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 (By similarity). Subunit Structure: Identified in a IGF2BP1-dependent mRNP granule complex containing untranslated mRNAs. Interacts with NFX1. Interacts with ZFC3H1 in a RNase-sensitive manner (PubMed:27871484). Post-translational Modifications: Arg-518 is dimethylated, probably to asymmetric dimethylarginine. Similarity: Belongs to the polyadenylate-binding protein type-1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	208431833
NCBI GeneID	8761
NCBI Accession #	NP_001129125.1
NCBI GenBank Nucleotide #	NM_001135653.1
UniProt Accession #	Q13310; Q4VC03; Q6P0N3; B1ANQ8
Molecular Weight	Observed: 71 kDa Predicted: 71 kDa
NCBI Official Full Name	polyadenylate-binding protein 4 isoform 1
NCBI Official Synonym Full Names	poly(A) binding protein cytoplasmic 4
NCBI Official Symbol	PABPC4
NCBI Official Synonym Symbols	APP1; APP-1; PABP4; iPABP
NCBI Protein Information	polyadenylate-binding protein 4
UniProt Protein Name	Polyadenylate-binding protein 4
UniProt Gene Name	PABPC4
UniProt Synonym Gene Names	APP1; PABP4; PABP-4; Poly(A)-binding protein 4; APP-1; iPABP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.