

Product datasheet for **TA345861**

PABPC4 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-PABPC4 antibody: synthetic peptide directed towards the N terminal of human PABPC4. Synthetic peptide located within the following region: AELGAKAKEFTNVYIKNFGEEVDDESLKELFSQFGKTLVKVMRDPNGKS
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	71 kDa
Gene Name:	poly(A) binding protein cytoplasmic 4
Database Link:	NP_003810 Entrez Gene 8761 Human Q13310



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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.

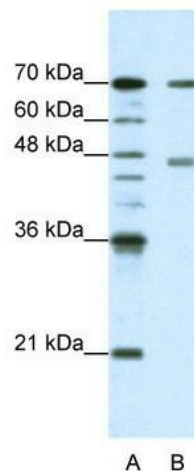
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Synonyms:

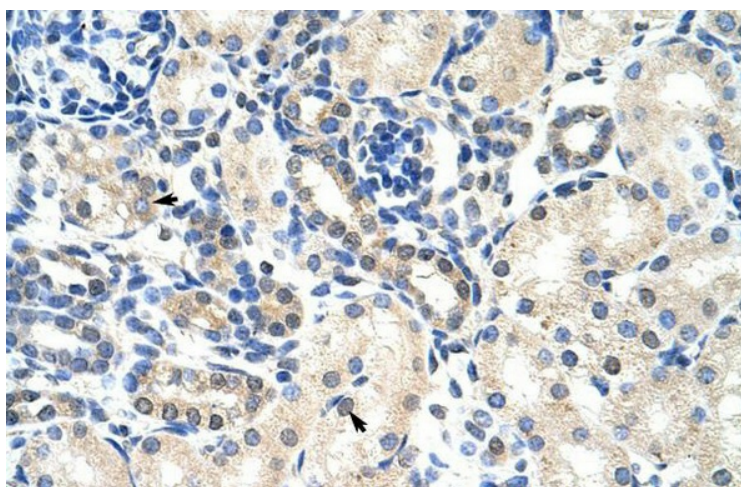
APP-1; APP1; iPABP; PABP4

Note:

Immunogen Sequence Homology: Dog: 100%; Rat: 100%; Horse: 100%; Human: 100%; Pig: 93%; Bovine: 93%; Rabbit: 93%; Guinea pig: 93%; Mouse: 86%; Zebrafish: 79%

Product images:

WB Suggested Anti-PABPC4 Antibody Titration:
1.25 ug/ml; ELISA Titer: 1: 312500; Positive
Control: HepG2 cell lysate



Rabbit Anti-PABPC4 Antibody; Paraffin Embedded Tissue: Human Kidney; Cellular Data: Epithelial cells of renal tubule; Antibody Concentration: 4.0-8.0 ug/ml; Magnification: 400X