

Datasheet for ABIN2778874  
**anti-PABPC4 antibody (N-Term)**

## 2 Images

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## Overview

Quantity:	100 µL
Target:	PABPC4
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Guinea Pig, Cow, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PABPC4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PABPC4
Sequence:	AELGAKAKEF TNVYIKNFGE EVDDESLKEF FSQFGKTLVS KVMRDPNGKS
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 86%, Rabbit: 93%, Rat: 100%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against PABPC4. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

## Target Details

Target:	PABPC4
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## Target Details

Alternative Name: PABPC4 ([PABPC4 Products](#))

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. 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.

Alias Symbols: APP1, APP-1, PABP4, iPABP

Protein Interaction Partner: FBXW11, UBC, IVNS1ABP, STAU1, RPA3, RPA2, RPA1, WWOX, SUZ12, RNF2, EZH2, BMI1, NCAPD2, DDX5, TARDBP, SRPK2, CLK3, YWHAQ, UBD, EIF2AK2, PAN2, UBL4A, SMAD9, ITGA4, IL7R, IFIT3, IFIT1, IFIT2, FN1, IGBP1, NUBP2, CAND1, DCUN1D1, COPS5, CUL1, CUL2, CUL3, CUL4A,

Protein Size: 644

Molecular Weight: 71 kDa

Gene ID: 8761

NCBI Accession: [NM\\_003819](#), [NP\\_003810](#)

UniProt: [Q13310](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 644 AA
Restrictions:	For Research Use only

## Handling

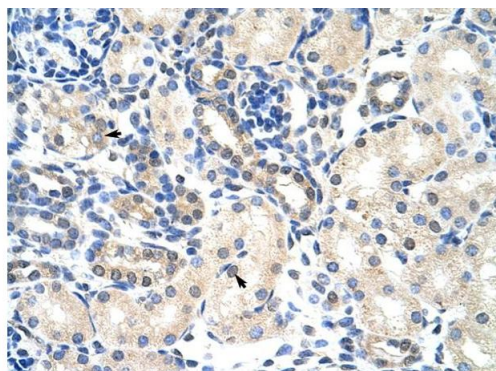
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



### Western Blotting

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



Rabbit Anti-PABPC4 Antibody  
Catalog Number: ARP40496  
Lot Number: QC9670  
Paraffin Embedded Tissue: Human Kidney  
Cells with Positive label: Epithelial cells of renal tubule (Indicated with Arrows)  
Antibody Concentration: 4.0-8.0 µg/ml  
Magnification: 400X

### Immunohistochemistry

**Image 2.** 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