

Rabbit PABPC4 Polyclonal Antibody | anti-PABPC4 antibody

PABPC4 antibody - N-terminal region

CATALOG # AAA198680	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

PABPC4; Polyclonal Antibody; PABPC4 antibody - N-terminal region; anti-PABPC4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: AE LGAKAKEFTN VYIKNFGEEV DDESLKELFS QFGKTLVKV MRDPNGKS
Sequence Length	644
Applicable Applications for anti-PABPC4 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 93%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 86%; Rabbit: 93%; Rat: 100%; Zebrafish: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human PABPC4
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

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



IHC (Immunohistochemistry)

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

ADDITIONAL INFORMATION

Related Product Information for anti-PABPC4 antibody	This is a rabbit polyclonal antibody against PABPC4. It was validated on Western Blot and immunohistochemistry Target 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. 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.
Product Categories/Family for anti-PABPC4 antibody	Polyclonal; RNA Binding Proteins; DNA/RNA/Protein Interactions; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504715
NCBI GeneID	8761
NCBI Accession #	NP_003810
NCBI GenBank Nucleotide #	NM_003819
UniProt Accession #	Q13310
Molecular Weight	71kDa
NCBI Official Full Name	polyadenylate-binding protein 4 isoform 2
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pabpc4-antibody-western-blot-immunohistochemistry-elisa/198680>