

Rabbit PC4 Polyclonal Antibody | anti-PC4 antibody

Rabbit Polyclonal Antibody PC4 Rabbit Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA313908	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

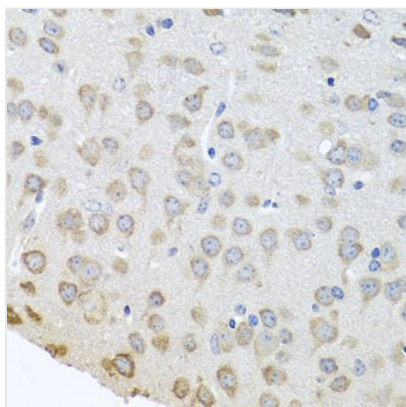
PRODUCT SYNONYMS

PC4; Polyclonal Antibody; Rabbit Polyclonal Antibody PC4 Rabbit Polyclonal Antibody; PABPC4; APP-1; APP1; PABP4; iPABP; anti-PC4 antibody

PRODUCT SPECIFICATIONS

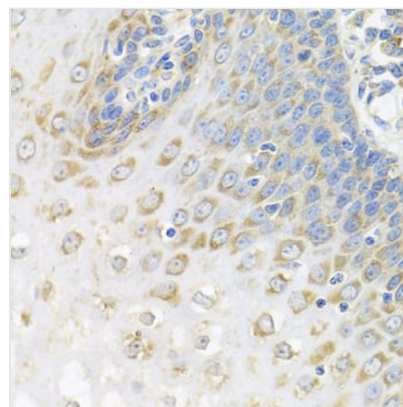
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-PC4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human PABPC4 (NP_003810.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



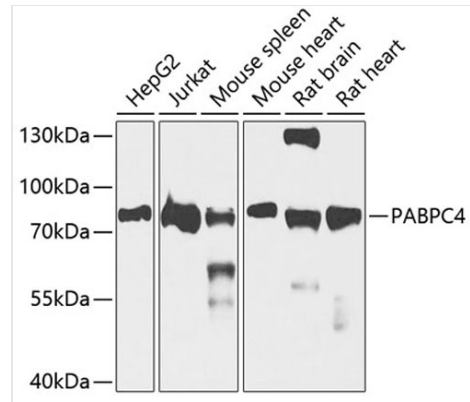
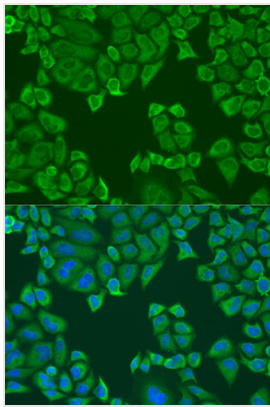
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse brain using PABPC4 at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human esophagus using PABPC4 at dilution of 1:100 (40x lens).



IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using PABPC4 at dilution of 1:100. Blue: DAPI for nuclear staining.

WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PABPC4 at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-PC4 antibody

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 variants encoding different isoforms have been found for this gene.

Product Categories/Family for anti-PC4 antibody

Primary Antibody

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	72,391 Da
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.

