Datasheet for ABIN6145149

anti-PABPC4 antibody (AA 350-450)

4 Images

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Overview

Quantity:	100 µL
Target:	PABPC4
Binding Specificity:	AA 350-450
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PABPC4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 350-450 of human PABPC4 (NP_003810.1).
Sequence:	VTEMNGRIVG SKPLYVALAQ RKEERKAHLT NQYMQRVAGM RALPANAILN QFQPAAGGYF VPAVPQAQGR PPYYTPNQLA QMRPNPRWQQ GGRPQGFQGM P
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	PABPC4

Target Details

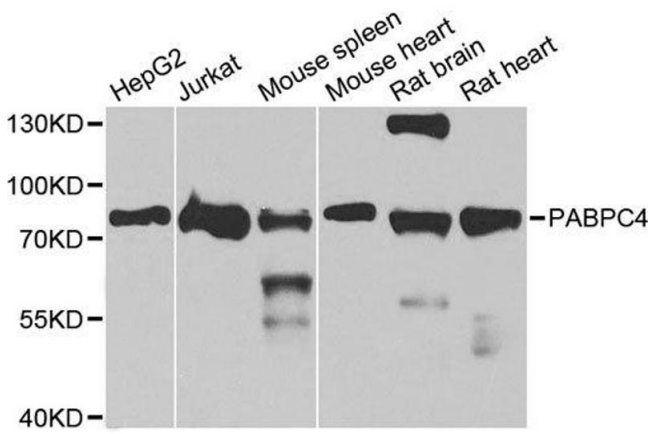
Alternative Name:	PABPC4 (PABPC4 Products)
Background:	Poly(A)-binding proteins (PABPs) bind to the poly(A) tail present at the 3-prime ends of most eukaryotic mRNAs. PABPC4 or IPABP (inducible PABP) was isolated as an activation-induced T-cell mRNA encoding a protein. Activation of T cells increased 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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.,PABPC4,APP-1,APP1,PABP4,iPABP,Epigenetics & Nuclear Signaling,RNA Binding,PABPC4
Molecular Weight:	69 kDa/70 kDa/72 kDa
Gene ID:	8761
UniProt:	Q13310
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

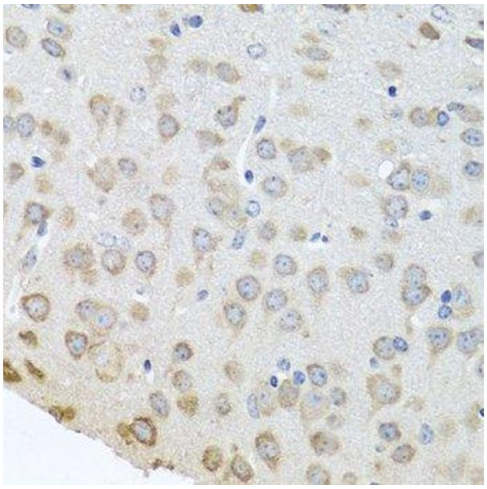
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



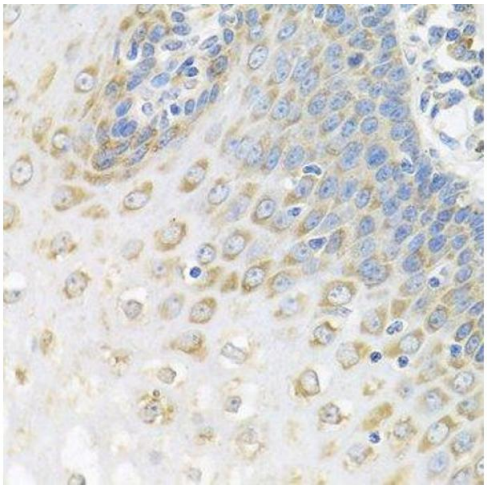
Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using PABPC4 antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded mouse brain using PABPC4 antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded human esophagus using PABPC4 antibody.

Please check the product details page for more images. Overall 4 images are available for ABIN6145149.