

## Anti-PABPC4 Polyclonal Antibody

Cat:AC50375

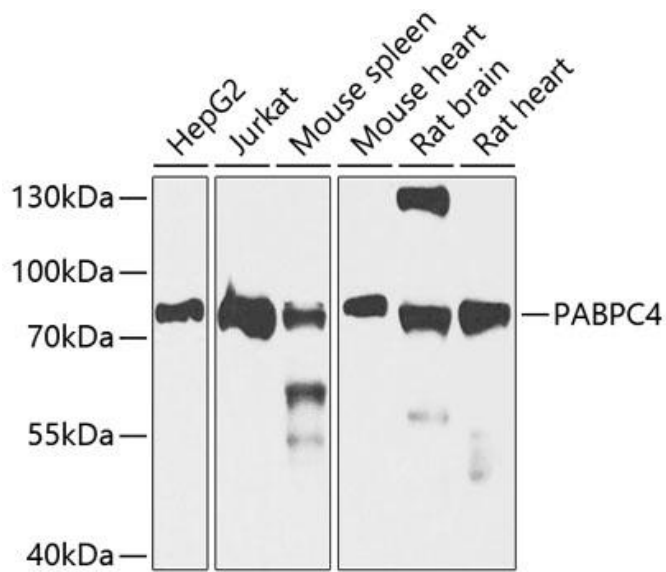
### Summary:

- |  |   |
|--|---|
| <b>【Product name】</b> : Anti-PABPC4 antibody   | <b>【Source】</b> : Rabbit                      |
| <b>【Isotype】</b> : IgG   | <b>【Species reactivity】</b> : Human Mouse Rat |
| <b>【Swiss Prot】</b> : Q13310   | <b>【Gene ID】</b> : 8761                       |
| <b>【Calculated】</b> : MW:69kDa/70kDa/72kDa   | <b>【Observed】</b> : MW:79kDa                  |
| <b>【Purification】</b> : Affinity purification  |   |
| <b>【Tested applications】</b> : WB IHC IF   |   |
| <b>【Recommended dilution】</b> : WB 1:500-2000. IHC 1:50-200. IF 1:50-200                     |   |
| <b>【WB Positive sample】</b> : HepG2, Jurkat, Mouse spleen, Mouse heart, Rat brain, Rat heart |   |
| <b>【IHC Positive sample】</b> : Human esophagus   |   |
| <b>【IF Positive sample】</b> : U2OS cells   |   |
| <b>【Subcellular location】</b> : Cytoplasm  |   |
| <b>【Immunogen】</b> : A synthetic peptide of human PABPC4                                     |   |
| <b>【Storage】</b> : Store at -20° C. Avoid freeze / thaw cycles.                              |   |

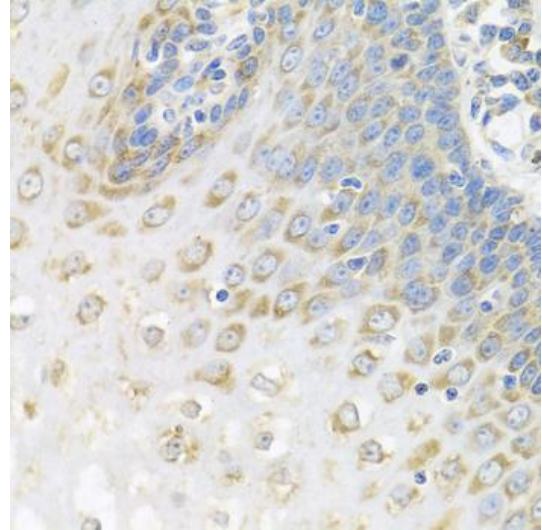
### Background:

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.

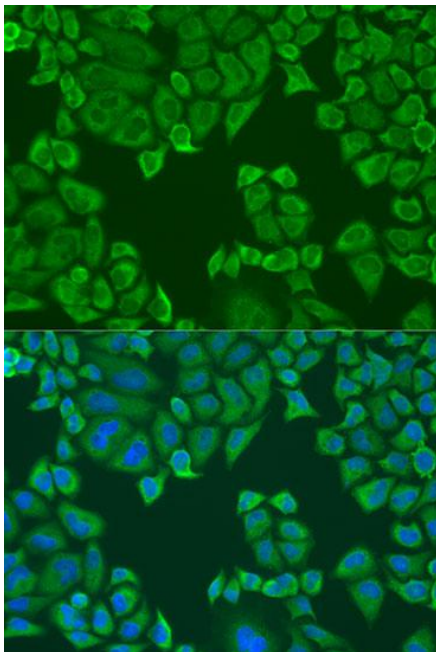
## Verified picture



Western blot analysis with PABPC4 antibody diluted at 1:1000; Lane: HepG2, Jurkat, Mouse spleen, Mouse heart, Rat brain, Rat heart.



Immunohistochemistry of paraffin-embedded Human esophagus with PABPC4 antibody diluted at 1:100.



Immunofluorescence analysis of U2OS cells using PABPC4 antibody diluted at 1:100.