

Anti-PABPC5 Antibody

Catalog # AP53359

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q96DU9
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43331

Additional Information

Gene ID	140886
Other Names	PABP5; Polyadenylate-binding protein 5; PABP-5; Poly(A)-binding protein 5
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PABPC5. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

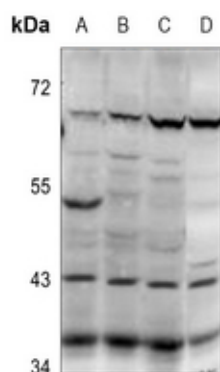
Name	PABPC5
Synonyms	PABP5
Function	Binds the poly(A) tail of mRNA. May be involved in cytoplasmic regulatory processes of mRNA metabolism. Can probably bind to cytoplasmic RNA sequences other than poly(A) in vivo (By similarity).
Cellular Location	Cytoplasm.
Tissue Location	Expressed in fetal brain and in a range of adult tissues

References

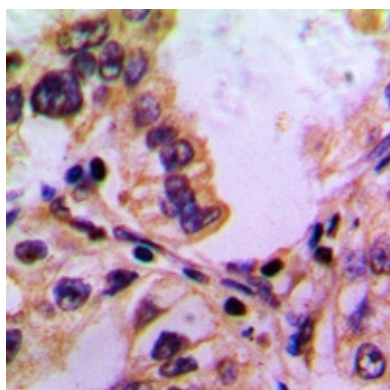
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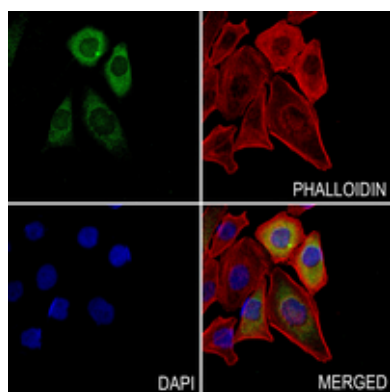
Images



Western blot analysis of PABPC5 expression in THP1 (A), PC3 (B), Hela (C), rat brain (D) whole cell lysates. (Predicted band size: 43 kD; Observed band size: 43; 39 kD)



Immunohistochemical analysis of PABPC5 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of PABPC5 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.