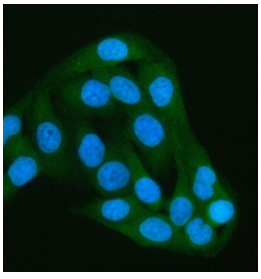
PAIP1 Antibody / Polyadenylate-binding protein-interacting protein 1 (RQ8609)

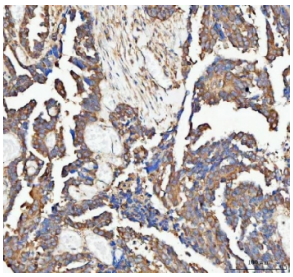
Catalog No.	Formulation	Size
RQ8609	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

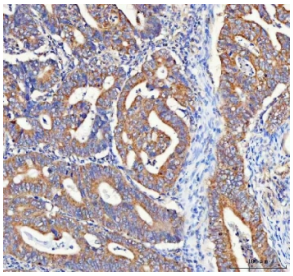
Availability	1-3 days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9H074
Localization	Cytoplasm
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This PAIP1 antibody is available for research use only.



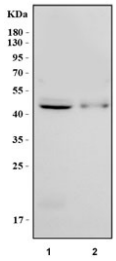
Immunofluorescent staining of FFPE human HeLa cells with PAIP1 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



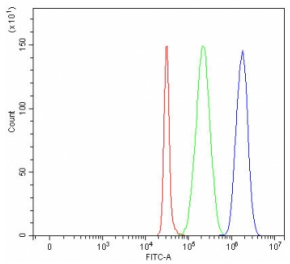
IHC staining of FFPE human ovarian serous adenocarcinoma tissue with PAIP1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human rectum adenocarcinoma tissue with PAIP1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) HeLa and 2) PC-3 cell lysate with PAIP1 antibody. Predicted molecular weight: 42-54 kDa (three isoforms).



Flow cytometry testing of fixed and permeabilized human SH-SY5Y cells with PAIP1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PAIP1 antibody.

Description

Polyadenylate-binding protein-interacting protein 1 is a protein that in humans is encoded by the PAIP1 gene. The protein encoded by this gene interacts with poly(A)-binding protein and with the cap-binding complex eIF4A. It is involved in translational initiation and protein biosynthesis. Overexpression of this gene in COS7 cells stimulates translation. Alternative splicing occurs at this locus and three transcript variants encoding three distinct isoforms have been identified.

Application Notes

Optimal dilution of the PAIP1 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids R92-Q420) was used as the immunogen for the PAIP1 antibody.

Storage

After reconstitution, the PAIP1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at

-20oC. Avoid repeated freezing and thawing.

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