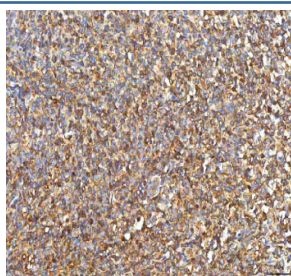


PFKP Antibody / Phosphofructokinase platelet (RQ8837)

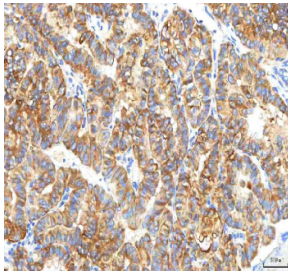
Catalog No.	Formulation	Size
RQ8837	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

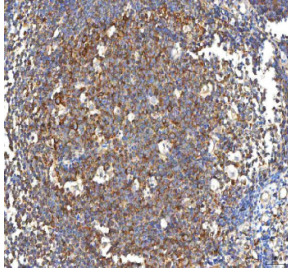
Availability	1-2 days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q01813
Localization	Cytoplasm
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
Limitations	This PFKP antibody is available for research use only.



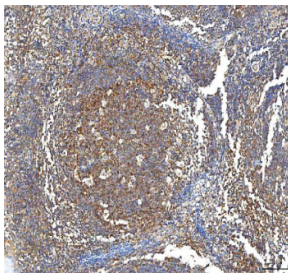
IHC staining of FFPE human diffuse large B cell lymphoma tissue with PFKP antibody.
HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



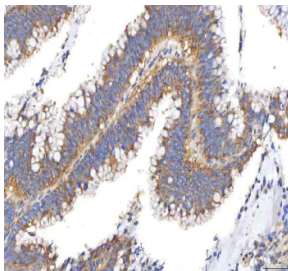
IHC staining of FFPE human thyroid papillary carcinoma tissue with PFKP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



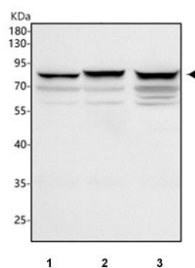
IHC staining of FFPE human tonsil tissue with PFKP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



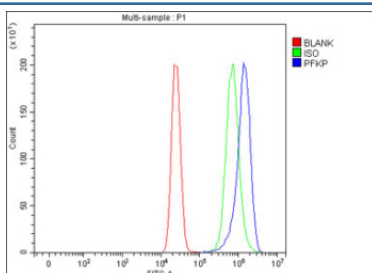
IHC staining of FFPE human tonsil tissue with PFKP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



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



Western blot testing of human 1) 293T, 2) Jurkat and 3) MCF7 cell lysate with PFKP antibody. Predicted molecular weight ~86 kDa.



Flow cytometry testing of fixed and permeabilized human MCF7 cells with PFKP antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PFKP antibody.

Description

Phosphofructokinase, platelet, also known as PFKP is an enzyme which in humans is encoded by the PFKP gene. This gene encodes a member of the phosphofructokinase A protein family. The encoded enzyme is the platelet-specific isoform of phosphofructokinase and plays a key role in glycolysis regulation. This gene may play a role in metabolic reprogramming in some cancers, including clear cell renal cell carcinomas, and cancer of the bladder, breast, and lung. Alternative splicing results in multiple transcript variants.

Application Notes

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

Immunogen

An E.coli-derived human recombinant protein (amino acids A55-V784) was used as the immunogen for the PFKP antibody.

Storage

After reconstitution, the PFKP antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.