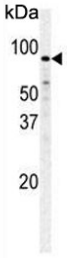
PFKM Antibody / Fructose 6 Phosphate Kinase (F54966)

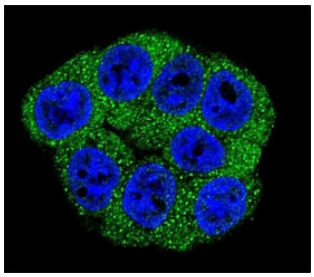
Catalog No.	Formulation	Size
F54966-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54966-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

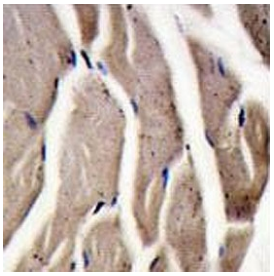
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P08237
Localization	Cytoplasmic
Applications	1:10-1:501:50-1:1001:500-1:1000
Limitations	This PFKM antibody is available for research use only.



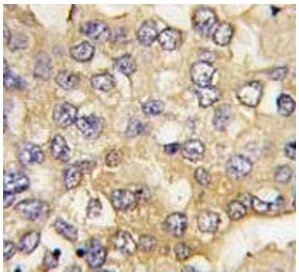
Western blot testing of human HeLa cell lysate with PFKM antibody. Predicted molecular weight ~85 kDa.



Immunofluorescent staining of human HeLa cells with PFKM antibody (green) and DAPI nuclear stain (blue).



IHC testing of FFPE human skeletal muscle tissue with PFKM antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



IHC testing of FFPE human hepatocellular carcinoma tissue with PFKM antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

Description

Phosphofructokinase catalyzes the irreversible conversion of fructose 6 phosphate to fructose 1,6 bisphosphate. Mammalian PFK is a complex isozyme consisting of 3 subunits: muscle (M), liver (L), and platelet (P). Only M type PFK isozyme is expressed in mature muscle, while erythrocytes contain both L and M subunits. Defects in PFKM are the cause of glycogen storage disease type 7 (GSD7), also known as Tarui disease.

Application Notes

The stated application concentrations are suggested starting points. Titration of the PFKM antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 746-776 from the human protein was used as the immunogen for the PFKM antibody.

Storage

Aliquot the PFKM antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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