

Product Name: KD-Validated PFKP Mouse Monoclonal Antibody**Catalog #: KVA00662**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 85.6kDa

Antigen Information

Gene Name	PFKP
Alternative Names	PFKP; Phosphofructokinase, Platelet; PFK-C; PFKF; ATP-Dependent 6-Phosphofructokinase, Platelet Type; Phosphofructo-1-Kinase Isozyme C; 6-Phosphofructokinase Type C; Phosphohexokinase; EC 2.7.1.11; ATP-PFK; PFK-P; 6-Phosphofructokinase, Platelet Type; Phosphofructokinase, Platelet Type; Phosphofructokinase 1; EC 2.7.1
Gene ID	5214.0
SwissProt ID	Q01813
Immunogen	Recombinant protein of human PFKP

Background

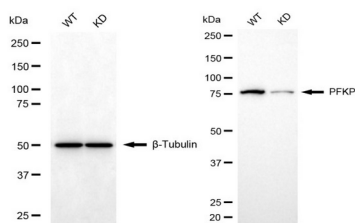
This gene encodes a member of the phosphofructokinase A protein family. The encoded enzyme is the platelet-specific isoform

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. [provided by RefSeq, Sep 2016]

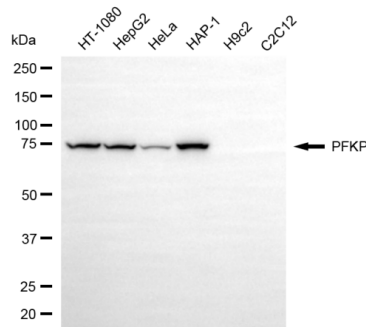
Research Area

Signal Transduction,Cancer,Metabolism

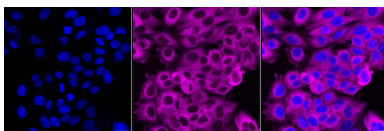
Image Data



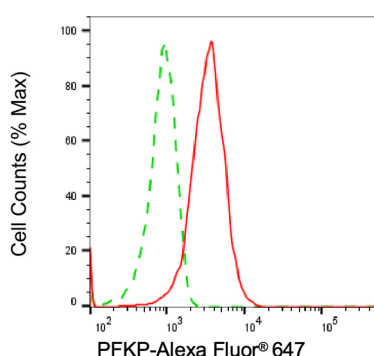
Western blotting analysis using PFKP antibody (KVA00662). PFKP expression in wild type (WT) and PFKP knockdown (KD) HSHC cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with PFKP antibody (KVA00662, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using PFKP antibody (KVA00662). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with PFKP antibody (KVA00662, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with PFKP antibody (KVA00662, 1:1,000). Nuclei were stained blue with DAPI; PFKP was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and Smart Gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of PFKP expression in HepG2 cells using PFKP antibody (KVA00662, 1:2,000). Green, isotype control; red, PFKP.