

PFKP Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51426

Product Information

Application	WB, ICC, IHC-P
Primary Accession	Q01813
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	85596

Additional Information

Gene ID	5214
Other Names	ATP-dependent 6-phosphofructokinase, platelet type {ECO:0000255 HAMAP-Rule:MF_03184}, ATP-PFK {ECO:0000255 HAMAP-Rule:MF_03184}, PFK-P, 27111 {ECO:0000255 HAMAP-Rule:MF_03184}, 6-phosphofructokinase type C, Phosphofructo-1-kinase isozyme C, PFK-C, Phosphohexokinase {ECO:0000255 HAMAP-Rule:MF_03184}, PFKP, PFKF
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PFKP. The exact sequence is proprietary.
Dilution	WB~~1:1000 ICC~~N/A IHC-P~~N/A
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	PFKP (HGNC:8878)
Synonyms	PFKF
Function	Catalyzes the phosphorylation of D-fructose 6-phosphate to fructose 1,6-bisphosphate by ATP, the first committing step of glycolysis.
Cellular Location	Cytoplasm {ECO:0000255 HAMAP-Rule:MF_03184}.

Background

Catalyzes the third step of glycolysis, the phosphorylation of fructose-6-phosphate (F6P) by ATP to generate fructose-1,6-bisphosphate (FBP) and ADP.

References

- Eto K.,et al.Biochem. Biophys. Res. Commun. 198:990-998(1994).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Deloukas P.,et al.Nature 429:375-381(2004).
Simpson C.J.,et al.Biochem. Biophys. Res. Commun. 180:197-203(1991).
Rush J.,et al.Nat. Biotechnol. 23:94-101(2005).

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