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# PFKP Antibody (C-term)

Purified Mouse Monoclonal Antibody (Mab) Catalog # AM8580b

#### **Product Information**

**Application** WB, E **Primary Accession** Q01813

**Reactivity** Human, Green Monkey, Mouse

HostMouseClonalitymonoclonalIsotypeIgG1,k

**Clone Names** 1040CT4.6.4.4

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, 2.7.1.11

{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**This PFKP antibody is generated from a mouse immunized with a

recombinant protein between 40-300 amino acids from the C-terminal region

of human PFKP.

**Dilution** WB~~1:4000 E~~Use at an assay dependent concentration.

**Format** Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein G column, followed by dialysis

against PBS.

**Storage** Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions** PFKP Antibody (C-term) is for research use only and not for use in diagnostic

or therapeutic procedures.

#### **Protein Information**

Name PFKP

**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}.

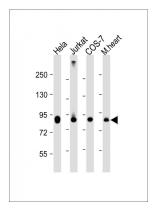
## **Background**

Catalyzes the phosphorylation of D-fructose 6-phosphate to fructose 1,6-bisphosphate by ATP, the first committing step of glycolysis.

## 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).

## **Images**



All lanes: Anti-PFKP Antibody (C-term) at 1:4000 dilution Lane 1: Hela whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: COS-7 whole cell lysate Lane 4: mouse heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 86 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.