

## Fructose 6 Phosphate Kinase Antibody (N-term) Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP8137a

### Specification

#### Fructose 6 Phosphate Kinase Antibody (N-term) - Product Information

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC-P,E            |
| Primary Accession | <a href="#">P08237</a> |
| Reactivity        | Human                  |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Isotype           | Rabbit Ig              |
| Antigen Region    | 122-151                |

#### Fructose 6 Phosphate Kinase Antibody (N-term) - Additional Information

Gene ID 5213

#### Other Names

ATP-dependent 6-phosphofructokinase,  
muscle type  
{ECO:0000255|HAMAP-Rule:MF\_03184},  
ATP-PFK  
{ECO:0000255|HAMAP-Rule:MF\_03184},  
PFK-M, 27111  
{ECO:0000255|HAMAP-Rule:MF\_03184},  
6-phosphofructokinase type A,  
Phosphofructo-1-kinase isozyme A, PFK-A,  
Phosphohexokinase  
{ECO:0000255|HAMAP-Rule:MF\_03184},  
PFKM, PFKX

#### Target/Specificity

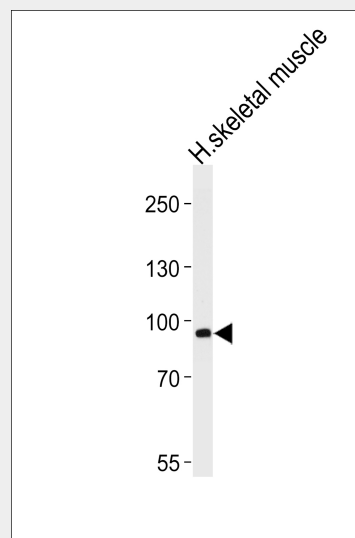
This Fructose 6 Phosphate Kinase antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 122-151 amino acids from the N-terminal region of human Fructose 6 Phosphate Kinase.

#### Dilution

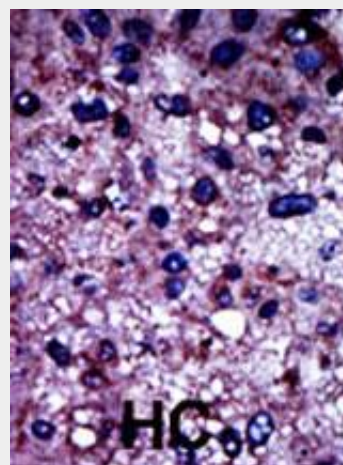
WB~~1:1000  
IHC-P~~1:50~100

#### Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation



Western blot analysis of lysate from human skeletal muscle tissue lysate, using PFKM Antibody □S137□(Cat. #AP8137a). AP8137a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for

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**

Fructose 6 Phosphate Kinase Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

#### **Fructose 6 Phosphate Kinase Antibody (N-term) - Protein Information**

**Name** PFKM

**Synonyms** PFKX

#### **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}.

#### **Fructose 6 Phosphate Kinase Antibody (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

#### **Fructose 6 Phosphate Kinase Antibody (N-term) - Background**

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.

#### **Fructose 6 Phosphate Kinase Antibody (N-term) - References**

Howard, T.D., et al., Genomics 34(1):122-127 (1996).  
Vasconcelos, O., et al., Proc. Natl. Acad. Sci. U.S.A. 92(22):10322-10326 (1995).  
Raben, N., et al., J. Biol. Chem. 268(7):4963-4967 (1993).  
Yamasaki, T., et al., Gene 104(2):277-282 (1991).  
Sharma, P.M., et al., J. Biol. Chem. 265(16):9006-9010 (1990).