

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 13389-1-AP	<b>GenBank-Zugangsnummer:</b> BC029138	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul , Konzentration: 550 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 5214	<b>Empfohlene Verdünnungen:</b> WB 1:2000-1:16000 IP 0.5-4.0 ug für IP und 1:1000-1:8000 für WB
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> phosphofruktokinase, platelet	<b>IHC 1:50-1:500</b> <b>IF 1:50-1:500</b>
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 784 aa, 86 kDa	
<b>Immunogen Katalognummer:</b> AG4047	<b>Beobachtete Masse:</b> 80-86 kDa	

## Anwendungen

### Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

### In Publikationen genannte Anwendungen:

IHC, WB

### Getestete Reaktivität:

Human, Maus, Ratte

### Zitierte Arten:

Human, Maus

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

### Positivkontrollen:

**WB** : HEK-293-Zellen, BxPC-3-Zellen, HeLa-Zellen, humanes Herzgewebe, Jurkat-Zellen, Mausherzgewebe, Maus-Skelettmuskelgewebe, MCF-7-Zellen, NIH/3T3-Zellen, Raji-Zellen, Rattenherzgewebe, Ratten-Skelettmuskelgewebe

**IP** : Jurkat-Zellen, Mausherzgewebe

**IHC** : Mausherzgewebe, humanes Herzgewebe, humanes Lungenkarzinomgewebe, humanes Milzgewebe

**IF** : HeLa-Zellen, BxPC-3-Zellen

## Hintergrundinformationen

PFKP(6-phosphofruktokinase, platelet type) is also named as PFKF, PFK-C and belongs to the phosphofruktokinase family. This form of PFK is best called the 'platelet' type and symbolized PFKP because it is the only form made by platelets, whereas fibroblasts have more than one form of PFK (Francke (1983)). PFK catalyzes the irreversible conversion of fructose-6-phosphate to fructose-1,6-bisphosphate and is a key regulatory enzyme in glycolysis. The observed molecular weight of PFKP monomer is 80-86 kDa. The molecular mass of PFKP dimer is 171 kDa (PMID: 28607489).

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Minzhe Zhu	33059001	Biochim Biophys Acta Mol Basis Dis	WB
Xiaohan Jin	36243112	J Biol Chem	WB
Xuqian Deng	32422139	Biochem Pharmacol	WB,IHC

## Lagerung

### Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

### Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

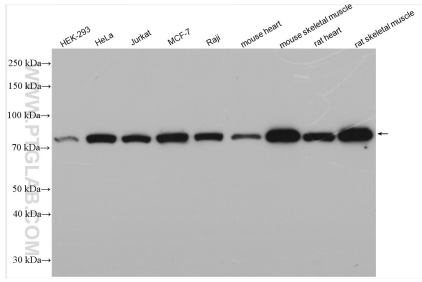
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

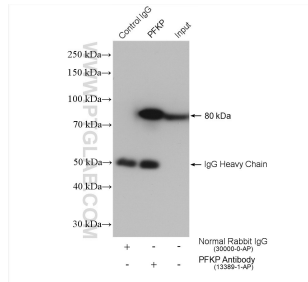
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

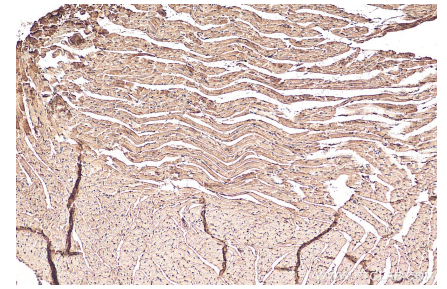
## Ausgewählte Validierungsdaten



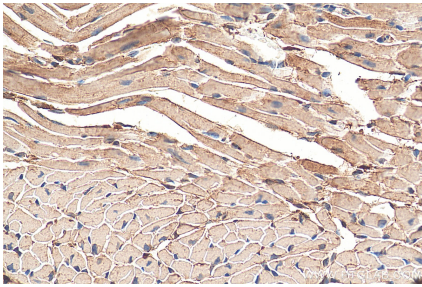
Various lysates were subjected to SDS PAGE followed by western blot with 13389-1-AP (PFKP antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



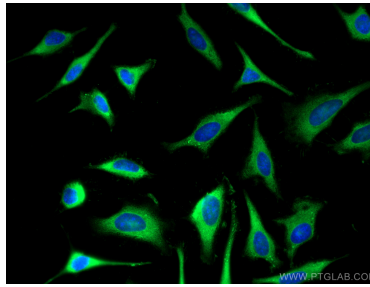
IP result of anti-PFKP (IP:13389-1-AP, 4ug; Detection:13389-1-AP 1:4000) with Jurkat cells lysate 2280 ug.



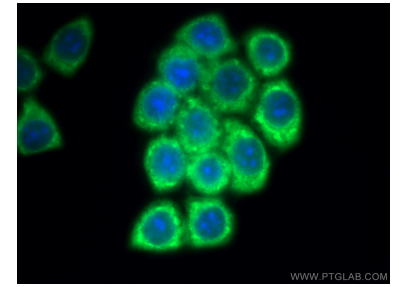
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 13389-1-AP (PFKP antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 13389-1-AP (PFKP antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using PFKP antibody (13389-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Methanol) fixed BxPC-3 cells using PFKP antibody (13389-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).