

For Research Use Only

PFKP Monoclonal antibody

Catalog Number: 68129-1-Ig **1 Publications**



Basic Information

Catalog Number: 68129-1-Ig	GenBank Accession Number: BC029138	Purification Method: Protein A purification
Size: 500 µg/ml	GeneID (NCBI): 5214	CloneNo.: 1H4D4
Source: Mouse	UNIPROT ID: Q01813	Recommended Dilutions: WB 1:5000-1:50000 IF 1:200-1:800
Isotype: IgG1	Full Name: phosphofructokinase, platelet	
Immunogen Catalog Number: AG25206	Calculated MW: 784 aa, 86 kDa	
	Observed MW: 80-86 kDa	

Applications

Tested Applications: IF/ICC, WB, ELISA	Positive Controls: WB : LNCaP cells, rabbit brain tissue, rat brain tissue, mouse brain tissue, A549 cells, MCF-7 cells, HEK-293 cells, HeLa cells, Jurkat cells
Cited Applications: WB	IF : HeLa cells,
Species Specificity: Human, Mouse, Rat, Rabbit	
Cited Species: human	

Background Information

PFKP(6-phosphofructokinase, platelet type) is also named as PFKF, PFK-C and belongs to the phosphofructokinase 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Navid Koleini	37873321	medRxiv	WB

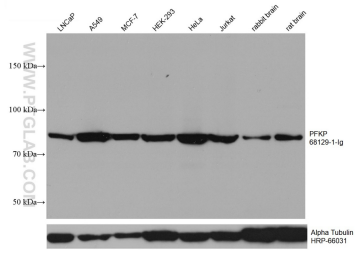
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

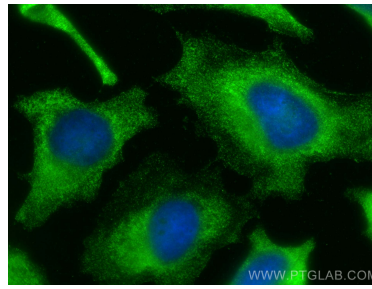
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68129-1-Ig (PFKP antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using PFKP antibody (68129-1-Ig, Clone: 1H4D4) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).