

For Research Use Only

PFKFB2 Recombinant antibody

Catalog Number: 85639-6-RR



Basic Information

Catalog Number: 85639-6-RR	GenBank Accession Number: BC075076	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5208	CloneNo.: 243136E5
Source: Rabbit	UNIPROT ID: O60825	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG	Full Name: 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2	
Immunogen Catalog Number: AG32347	Calculated MW: 505 aa, 58 kDa	
	Observed MW: 55 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : MCF-7 cells,
Species Specificity: human	

Background Information

PFKFB2(6-Phosphofructo-2-kinase/fructose 2,6-bisphosphatase 2) is also named as PFK-2/FBPase-2, which is a bifunctional enzyme responsible for the synthesis and breakdown of Fru-2,6-P2 in the regulation of glycolysis(PMID:10095107). In the C-terminal section, it belongs to the phosphoglycerate mutase family. The enzyme is a dimer of identical subunits, each composed of 505 amino acids and containing three discrete domains(PMID: 2552438). It has 2 isoforms produced by alternative splicing.

Storage

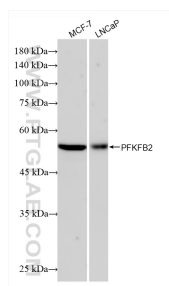
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

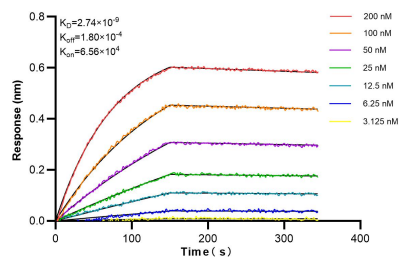
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85639-6-RR (PFKFB2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85639-6-RR against Human PFKFB2 were performed. The affinity constant is 2.74 nM.