

For Research Use Only

PFKFB2 Recombinant antibody, PBS Only

Catalog Number: 85639-6-PBS



Basic Information

Catalog Number: 85639-6-PBS	GenBank Accession Number: BC075076	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 5208	CloneNo.: 243136E5
Source: Rabbit	UNIPROT ID: O60825	
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, Indirect ELISA

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

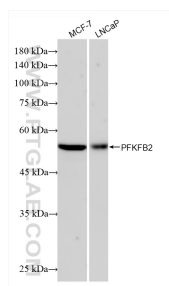
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

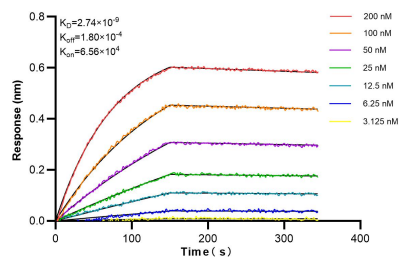
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85639-6-RR (PFKFB2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85639-6-PBS in a different storage buffer formulation.



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