

For Research Use Only

PFKFB2 Recombinant antibody

Catalog Number: 85639-6-RR



Basic Information

Catalog Number:

85639-6-RR

Concentration:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG32347

GenBank Accession Number:

BC075076

GeneID (NCBI):

5208

UNIPROT ID:

O60825

Full Name:

6-phosphofructo-2-kinase/fructose-
2,6-biphosphatase 2

Calculated MW:

505 aa, 58 kDa

Observed MW:

55 kDa

Purification Method:

Protein A purification

CloneNo.:

243136E5

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : MCF-7 cells,

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

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

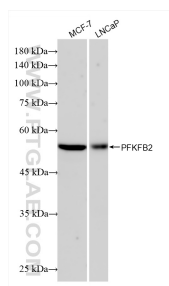
T: 4006900926

E: Proteintech-CN@ptglab.com

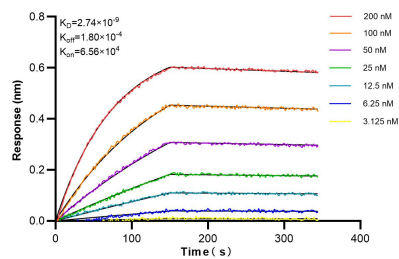
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Selected Validation Data



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.