

For Research Use Only

PFKFB2 Polyclonal antibody

Catalog Number: 17838-1-AP

6 Publications



Basic Information

Catalog Number:

17838-1-AP

Size:

450 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12181

GenBank Accession Number:

BC075076

GeneID (NCBI):

5208

UNIPROT ID:

O60825

Full Name:

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

Calculated MW:

505 aa, 58 kDa

Observed MW:

55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

Positive Controls:

WB : LNCaP cells, mouse retina tissue

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.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|------------------|-----------|----------------|-------------|
| Telang Sucheta S | 22591674 | J Transl Med | WB |
| Shu-Jie Zhao | 29523788 | Cell Death Dis | WB |
| Joshua K Salabei | 27151219 | J Biol Chem | 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:

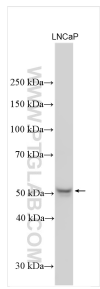
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17838-1-AP (PFKFB2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



mouse retina tissue were subjected to SDS PAGE followed by western blot with 17838-1-AP (PFKFB2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.