

For Research Use Only

# PFKFB3 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87233-1-PBS



## Basic Information

|  |   |   |
|--|---|---|
| <b>Catalog Number:</b><br>87233-1-PBS      | <b>GenBank Accession Number:</b><br>BC040482                                | <b>Purification Method:</b><br>Protein A purification |
| <b>Source:</b><br>Rabbit                   | <b>GeneID (NCBI):</b><br>5209   | <b>CloneNo.:</b><br>252490B6                          |
| <b>Isotype:</b><br>IgG                     | <b>UNIPROT ID:</b><br>Q16875  |   |
| <b>Immunogen Catalog Number:</b><br>AG4744 | <b>Full Name:</b><br>6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3 |   |
|  | <b>Calculated MW:</b><br>520 aa, 60 kDa                                     |   |
|  | <b>Observed MW:</b><br>58 kDa   |   |

## Applications

**Tested Applications:**  
WB, IF/ICC, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

PFKFB3, also named as NY-REN-56 and iPFK-2, plays a role in glucose metabolism. Its synthesis and degradation of fructose 2,6-bisphosphate. Endogenously generated adenosine cooperates with bacterial components to increase PFKFB3 isozyme activity, resulting in greater fructose 2,6-bisphosphate accumulation. PFKFB3 is required for increased growth, metabolic activity and is regulated through active JAK2 and STAT5.

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

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

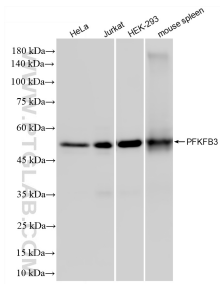
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

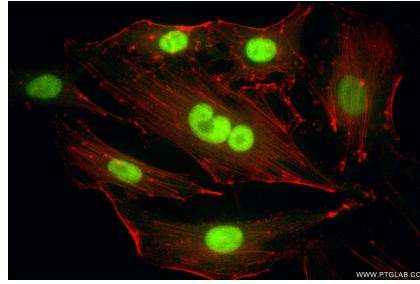
W: [ptgcn.com](http://ptgcn.com)

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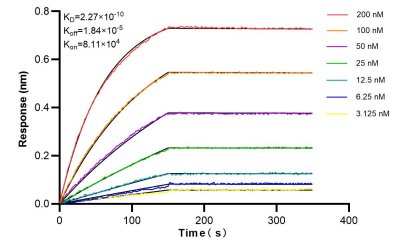
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87233-1-RR (PFKFB3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87233-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed A549 cells using PFKFB3 antibody (87233-1-RR, Clone: 252490B6) at dilution of 1:800 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 87233-1-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 87233-1-RR against Human PFKFB3 were performed. The affinity constant is 0.227 nM.