

For Research Use Only

# PFKFB3 Recombinant monoclonal antibody

Catalog Number: 87233-1-RR



## Basic Information

<b>Catalog Number:</b> 87233-1-RR	<b>GenBank Accession Number:</b> BC040482	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5209	<b>CloneNo.:</b> 252490B6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q16875	<b>Recommended Dilutions:</b> WB: 1:2000-1:10000 IF/ICC: 1:400-1:1600
<b>Isotype:</b> IgG	<b>Full Name:</b> 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	
<b>Immunogen Catalog Number:</b> AG4744	<b>Calculated MW:</b> 520 aa, 60 kDa	
	<b>Observed MW:</b> 58 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> HeLa cells, rat thymus tissue, Jurkat cells, HEK-293 cells, mouse spleen tissue
	<b>IF/ICC :</b> A549 cells,

## 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 -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

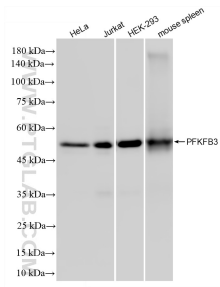
For technical support and original validation data for this product please contact:

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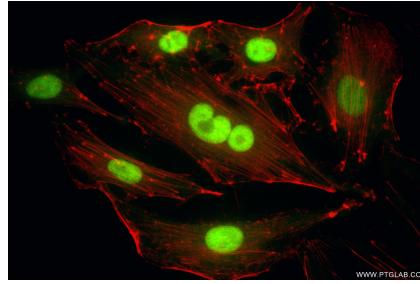
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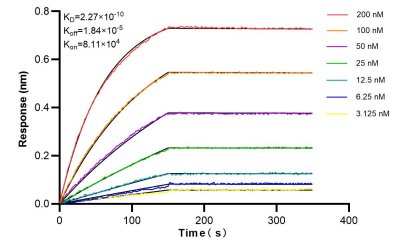
## Selected Validation Data



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.



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).



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