

For Research Use Only

PFKFB3 Recombinant monoclonal antibody

Catalog Number: 87233-1-RR



Basic Information

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

Applications

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

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

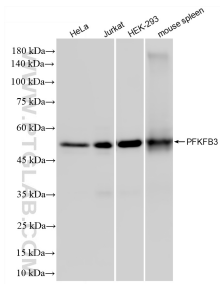
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E: Proteintech-CN@ptglab.com

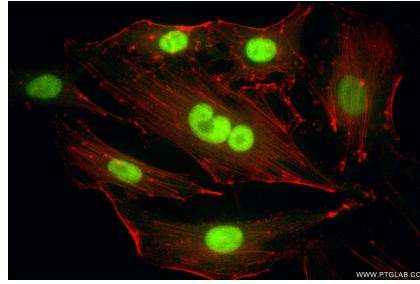
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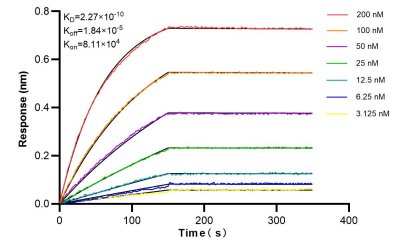
Selected Validation Data



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.



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.