

For Research Use Only

# Phospho-PFKFB2 (Ser483) Recombinant monoclonal antibody, PBS Only

Catalog Number: 87525-1-PBS



## Basic Information

|  |   |   |
|--|---|---|
| <b>Catalog Number:</b><br>87525-1-PBS                      | <b>GenBank Accession Number:</b><br>NM_006212                               | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug, Concentration: 1 mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>5208   | <b>CloneNo.:</b><br>252874F10                         |
| <b>Source:</b><br>Rabbit                                   | <b>UNIPROT ID:</b><br>O60825  |   |
| <b>Isotype:</b><br>IgG                                     | <b>Full Name:</b><br>6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2 |   |
|  | <b>Calculated MW:</b><br>58 kDa   |   |
|  | <b>Observed MW:</b><br>55 kDa   |   |

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## Background Information

Phospho-PFKFB2 (Ser483) is the active-site-switching modification of the heart-type bifunctional enzyme 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase (PFKFB2). Phosphorylation at serine 483, located in the C-terminal regulatory segment, is catalyzed mainly by Akt downstream of PI3K and is essential for maximal 2-kinase activity: it increases the synthesis of fructose-2,6-bisphosphate (F2,6BP), the most potent allosteric activator of 6-phosphofructo-1-kinase (PFK-1), thereby accelerating glycolytic flux and ATP production. (PMID: 34282152)

## Storage

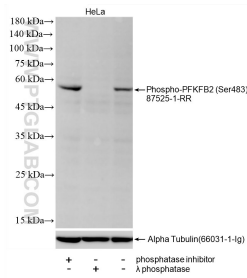
**Storage:**  
Store at -80°C.

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

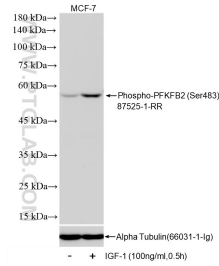
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Non-treated HeLa cells, phosphatase inhibitor treated HeLa cells and λ phosphatase treated HeLa cells were subjected to SDS PAGE followed by western blot with 87525-1-RR (Phospho-PFKFB2 (Ser483) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as a loading control. This data was developed using the same antibody clone with 87525-1-



Non-treated MCF-7 cells and IGF-1 treated MCF-7 cells were subjected to SDS PAGE followed by western blot with 87525-1-RR (Phospho-PFKFB2 (Ser483) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as a loading control. This data was developed using the same antibody clone with 87525-1-PBS in a different storage buffer formulation.