

Anti-PFKFB2 (Phospho-S483) Antibody

Catalog # AP51635

Product Information

Application	WB, IHC, IF/IC
Primary Accession	O60825
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58477

Additional Information

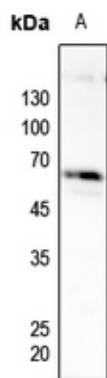
Gene ID	5208
Other Names	6-phosphofructo-2-kinase/fructose-2, 6-bisphosphatase 2; 6PF-2-K/Fru-2, 6-P2ase 2; PFK/FBPase 2; 6PF-2-K/Fru-2, 6-P2ase heart-type isozyme
Target/Specificity	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S483 of human PFKFB2 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

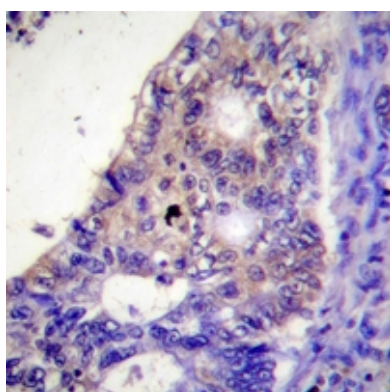
Name	PFKFB2 (HGNC:8873)
Function	Synthesis and degradation of fructose 2,6-bisphosphate.
Tissue Location	Heart.

References

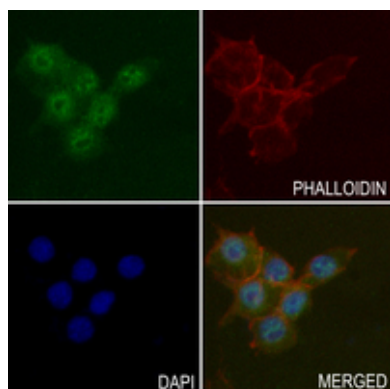
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Soejima H.,et al.Genomics 74:115-120(2001).
Matsutani A.,et al.Submitted (JAN-2002) to the EMBL/GenBank/DDBJ databases.
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Western blot analysis of PFKFB2 (Phospho-S483) expression in HEK293T (A) whole cell lysates. (Predicted band size: 58 kD; Observed band size: 58 kD)



Immunohistochemical analysis of PFKFB2 (Phospho-S483) staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of PFKFB2 (Phospho-S483) staining in RAW264.7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.