

PFK-2 car Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP07089
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human PFKFB2. AA range:451-500
Mol wt	58477
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	PFK-2 car Antibody
Synonyms	PFKFB2; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 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

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2 by PFKFB2 is involved in both the synthesis and degradation of fructose-2,6-bisphosphate, a regulatory molecule that controls glycolysis in eukaryotes. 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2 has a 6-phosphofructo-2-kinase activity that catalyzes the synthesis of fructose-2,6-bisphosphate, and a fructose-2,6-bisphosphatase activity that catalyzes the degradation of fructose-2,6-bisphosphate. 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2 regulates fructose-2,6-bisphosphate levels in the heart, while a related enzyme encoded by a different gene regulates fructose-2,6-bisphosphate levels in the liver and muscle. This enzyme functions as a homodimer. Two transcript variants encoding two different isoforms have been found for PFKFB2.

Recommended Dilution

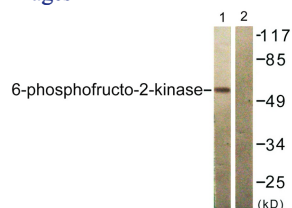
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

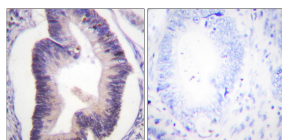
ELISA: 1: 5000

Not yet tested in other applications.

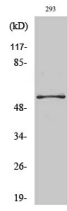
Images



Western blot analysis of lysates from 293 cells, treated with Heat shock, using PFKFB2 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using PFKFB2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using PFK-2 car Polyclonal Antibody

Storage

-20°C for one year

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