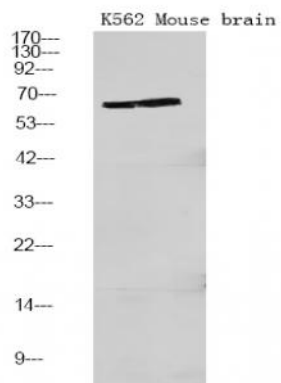


PFK-2 car (Phospho Ser466) Rabbit pAb

Catalog No :	YP1872
Reactivity :	Human;Mouse;Rat
Applications :	IHC;WB
Target :	PFK-2 car
Fields :	>>Fructose and mannose metabolism;>>Metabolic pathways;>>AMPK signaling pathway;>>Thyroid hormone signaling pathway
Gene Name :	PFKFB2
Protein Name :	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) [Includes: 6-phosphofructo-2-kinase (EC 2.7.1.105); Fructose-
Sequence :	O60825
Human Gene Id :	5208
Human Swiss Prot No :	O60825
Mouse Gene Id :	18640
Mouse Swiss Prot No :	P70265
Rat Gene Id :	24640
Rat Swiss Prot No :	Q9JJH5
Immunogen :	Synthesized peptide derived from human PFKFB2 (Phospho Ser466)
Specificity :	This antibody detects endogenous levels of PFKFB2 (Phospho Ser466) Rabbit pAb at Human, Mouse,Rat
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

Source :	Rabbit,polyclonal
Dilution :	WB 1:500-2000 IHC 1:50-200
Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	58kD
Background :	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2(PFKFB2) Homo sapiens The protein encoded by this gene is involved in both the synthesis and degradation of fructose-2,6-bisphosphate, a regulatory molecule that controls glycolysis in eukaryotes. The encoded protein 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. This protein 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 this gene. [provided by RefSeq, Jul 2008],
Function :	catalytic activity:ATP + D-fructose 6-phosphate = ADP + beta-D-fructose 2,6-bisphosphate.,catalytic activity:Beta-D-fructose 2,6-bisphosphate + H(2)O = D-fructose 6-phosphate + phosphate.,enzyme regulation:Phosphorylation results in the activation of the kinase activity.,function:Synthesis and degradation of fructose 2,6-bisphosphate.,similarity:In the C-terminal section; belongs to the phosphoglycerate mutase family.,subunit:Homodimer.,tissue specificity:Heart.,
Expression :	Heart.
Sort :	999
Host :	Rabbit
Modifications :	Phospho

Products Images



Western Blot analysis of K562 Mouse brain using primary antibody at 1:1000 dilution 4 °C, overnight. Secondary antibody(catalog#:RS23920) was diluted at 1:10000 25 °C 1.5hours