



# PFK-2 car (Phospho Ser466) Rabbit pAb

|                           |  |
|---------------------------|--|
| <b>Catalog No</b>         | YP-Ab-17331  |
| <b>Isotype</b>            | IgG  |
| <b>Reactivity</b>         | Human, Mouse, Rat  |
| <b>Applications</b>       | IHC, WB  |
| <b>Gene Name</b>          | PFKFB2   |
| <b>Protein Name</b>       | 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-   |
| <b>Immunogen</b>          | Synthesized peptide derived from human PFKFB2 (Phospho Ser466)   |
| <b>Specificity</b>        | This antibody detects endogenous levels of PFKFB2 (Phospho Ser466) Rabbit pAb at Human, Mouse, Rat   |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.   |
| <b>Source</b>             | Rabbit, polyclonal   |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.  |
| <b>Dilution</b>           | WB 1:500-2000 IHC 1:50-200   |
| <b>Concentration</b>      | 1 mg/ml  |
| <b>Purity</b>             | ≥90%   |
| <b>Storage Stability</b>  | -20°C/1 year   |
| <b>Synonyms</b>           | 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-2,6-bisphosphatase (EC 3.1.3.46)]  |
| <b>Observed Band</b>      | 58kD   |
| <b>Cell Pathway</b>       |  |
| <b>Tissue Specificity</b> | Heart.   |
| <b>Function</b>           | 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., |
| <b>Background</b>         | 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-biphosphatase 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],

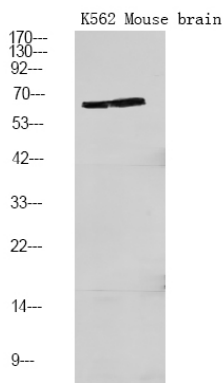
#### matters needing attention

Avoid repeated freezing and thawing!

#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## 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