SunLong Biotech Co.,LTD
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**[ Marker Primary Antibody ]**

# Rabbit Anti-PFKFB3/PFK2/HRP Conjugated antibody

**Catalog Number: SL3528R-HRP**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

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| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | Anti-PFKFB3/PFK2/HRP |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human PFKFB3 |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **Storage:** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| **Applications:** | WB=1:500-2000<br>IHC-P=1:100-500<br>IHC-F=1:100-500<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | Human,Mouse,Rat(predicted:Pig,Cow,Horse,Rabbit,GuineaPig) |
| **Background:** | background: The protein encoded by this gene belongs to a family of bifunctional proteins that are 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 (F2,6BP), and a fructose-2,6-biphosphatase activity that catalyzes the degradation of F2,6BP. This protein is required for cell cycle progression and prevention of apoptosis. It functions as a regulator of cyclin-dependent kinase 1, linking glucose metabolism to cell proliferation and survival in tumor cells. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2016]<br>**Function:** Synthesis and degradation of fructose 2,6-bisphosphate.<br>**Tissue Specificity:** Ubiquitous. |

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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| | **Similarity:** In the C-terminal section; belongs to the phosphoglycerate mutase family.<br>**Database links:**<br>**Entrez Gene:** 5209 Human<br>**Entrez Gene:** 170768 Mouse<br>**Entrez Gene:** 24640 Rat<br>Omim: 605319 Human<br>**SwissProt:** Q16875 Human<br>**SwissProt:** P25114 Rat<br>**Unigene:** 444304 Human<br>**Unigene:** 44844 Rat<br>Important<br>**Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.<br>IPFK2 is an important enzyme in glycolysis and is widely present in various biological cells. Due to the important role of this enzyme in regulating the glycolytic pathway. |

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