




## Rabbit Anti-Phospho-PFKFB3/PFK2 (Ser467) antibody

SL3331R

<b>Product Name:</b>	Phospho-PFKFB3/PFK2 (Ser467)
<b>Chinese Name:</b>	磷酸化果糖-2,6-二磷酸酶3/磷酸果糖激酶2抗体
<b>Alias:</b>	6 phosphofructo 2 kinase/ fructose 2,6 bisphosphatase; 6 phosphofructo 2 kinase/fructose 2,6 biphosphatase 3; 6PF 2 K/Fru 2,6 P2ASE brain/placenta type isozyme; 6PF 2-K/Fru 2,6 P2ase 3; fructose 6 phosphate,2 kinase/fructose 2, 6 bisphosphatase; Inducible 6 phosphofructo 2 kinase/fructose 2,6 bisphosphatase; iPFK 2; IPFK2; PFK/FBPase 3; PFK-2; PFK2; Renal carcinoma antigen NY REN 56; uPFK 2; PFKFB3; F263_HUMAN.
<b>文献引用</b> 	<b>Specific References(1)</b>  SL3331R has been referenced in 1 publications. [IF=4.60]Fu, Wen, et al. "Bioenergetic mechanisms in astrocytes may contribute to amyloid plaque deposition and toxicity." Journal of Biological Chemistry (2015): jbc-M114.Human. <a href="#">PubMed:25814669</a>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	60kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthesised phosphopeptide derived from human PFK2 around the

	phosphorylation site of Ser467:LA(p-S)PE
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>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]</p> <p><b>Function:</b> Synthesis and degradation of fructose 2,6-bisphosphate.</p> <p><b>Tissue Specificity:</b> Ubiquitous.</p> <p><b>Similarity:</b> In the C-terminal section; belongs to the phosphoglycerate mutase family.</p> <p><b>SWISS:</b> Q16875</p> <p><b>Gene ID:</b> 5209</p> <p><b>Database links:</b></p> <p><a href="#">Entrez Gene: 5209</a> Human</p> <p><a href="#">Entrez Gene: 170768</a> Mouse</p> <p><a href="#">Entrez Gene: 24640</a> Rat</p> <p><a href="#">Omim: 605319</a> Human</p> <p><a href="#">SwissProt: Q16875</a> Human</p>

[SwissProt: P25114](#) Rat

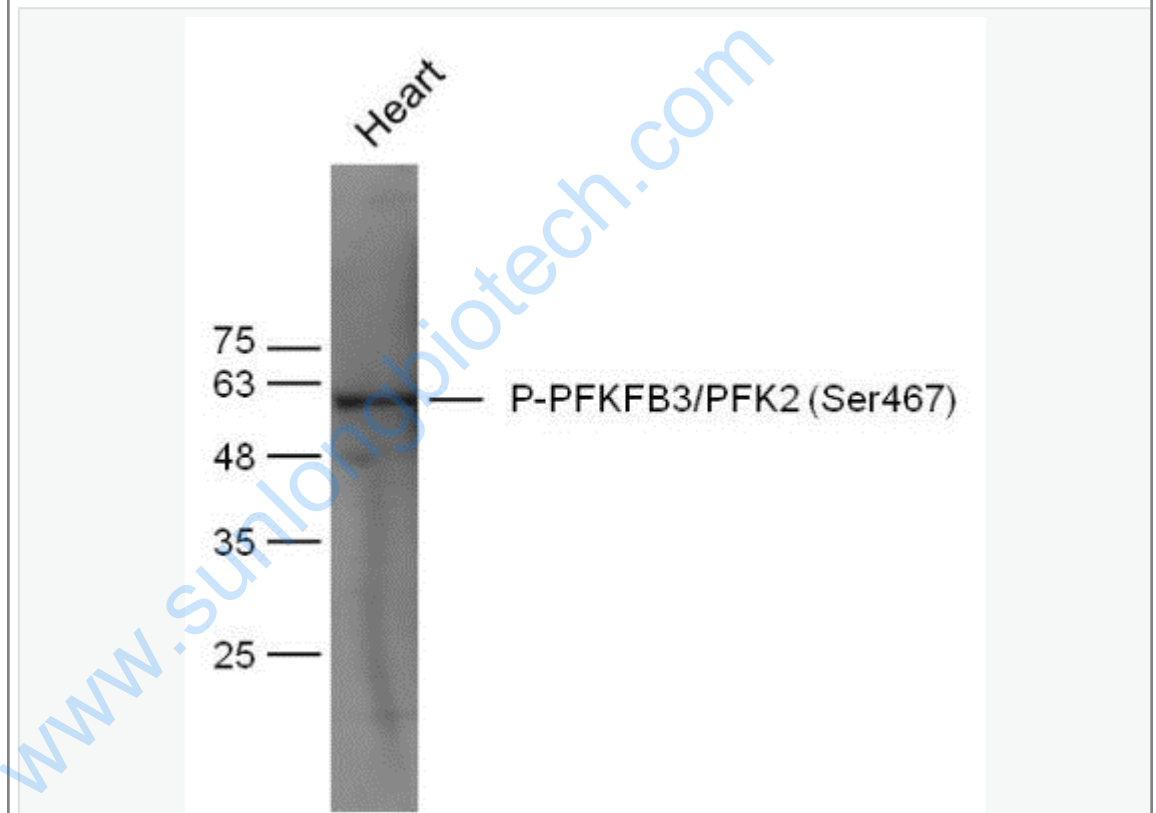
[Unigene: 444304](#) Human

[Unigene: 44844](#) Rat

**Important Note:**

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

Picture:



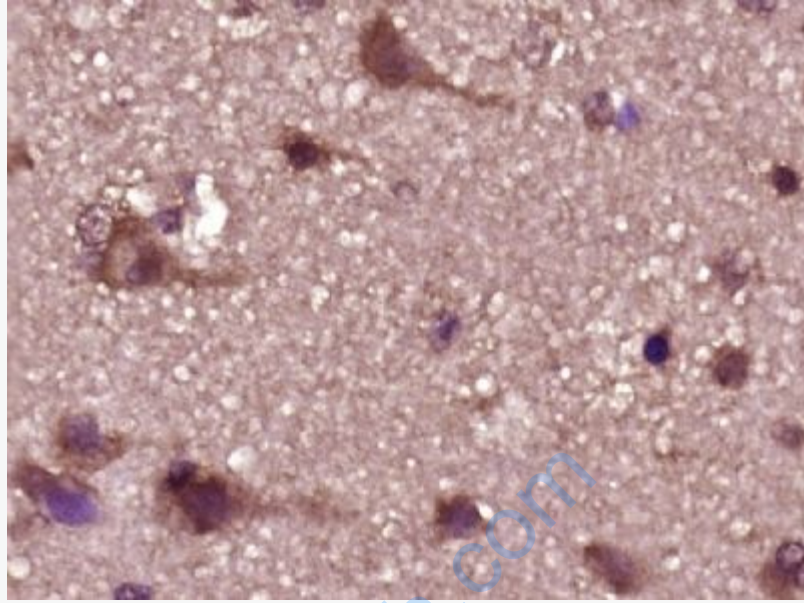
Sample: Heart (Mouse) Lysate at 40 ug

Primary: Anti- Phospho-PFKFB3/PFK2 (Ser467) (SL3331R) at 1/300 dilution

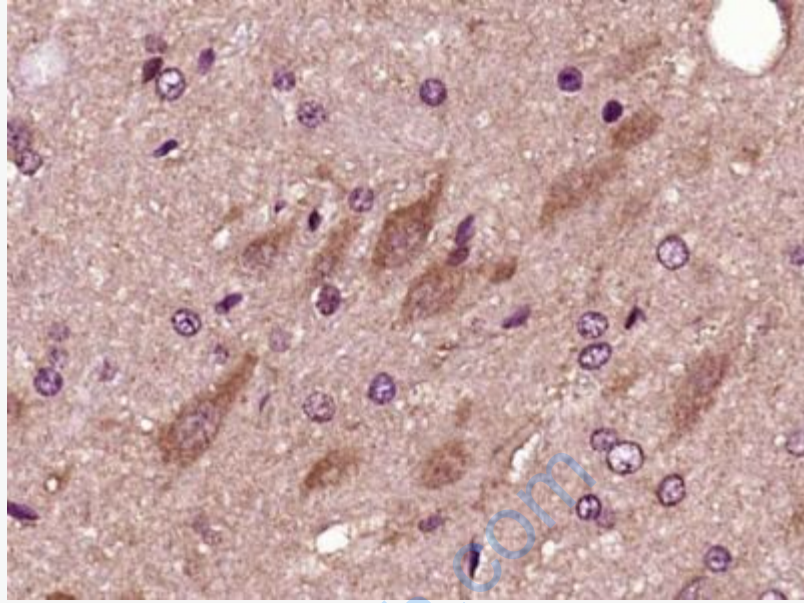
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 60 kD

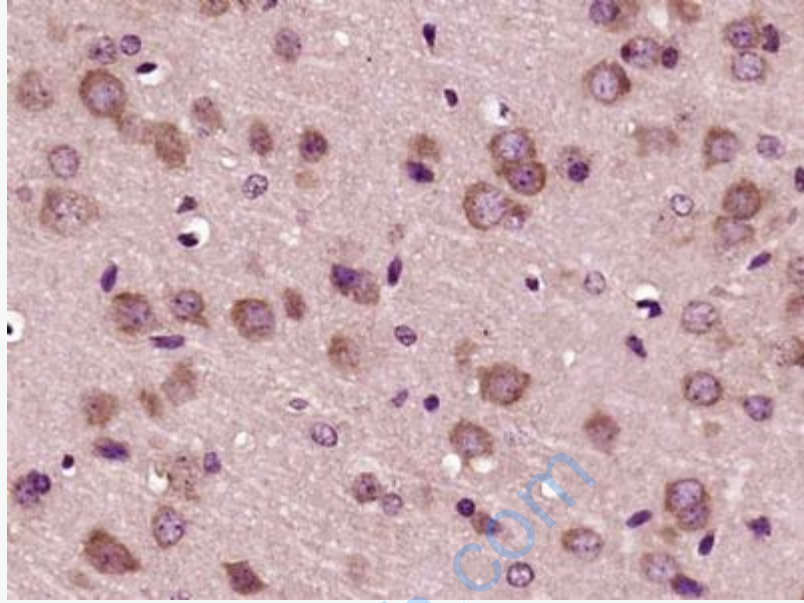
Observed band size: 60 kD



Paraformaldehyde-fixed, paraffin embedded (Human glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-PFKFB3 PFK2 (Ser467)) Polyclonal Antibody, Unconjugated (SL3331R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-PFKFB3/PFK2 (Ser467)) Polyclonal Antibody, Unconjugated (SL3331R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-PFKFB3/PFK2 (Ser467)) Polyclonal Antibody, Unconjugated (SL3331R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.