



Rabbit Anti-PFKFB3/PFK2 antibody

SL3528R

Product Name:	PFKFB3/PFK2
Chinese Name:	果糖-2,6-二磷酸酶3/磷酸果糖激酶2抗体
Alias:	PFK2; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3; 6PF-2-K/Fru-2,6-P2ase 3; PFK/FBPase 3; 6PF-2-K/Fru-2,6-P2ase brain/placenta-type isozyme; Renal carcinoma antigen NY-REN-56; iPFK-2; 6-phosphofructo-2-kinase; Fructose-2,6-bisphosphatase; F263_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Guinea Pig,
Applications:	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.
Molecular weight:	60kDa
Cellular localization:	The nucleuscyttoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PFKFB3:401-520/520
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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]

Function:

Synthesis and degradation of fructose 2,6-bisphosphate.

Tissue Specificity:

Ubiquitous.

Similarity:

In the C-terminal section; belongs to the phosphoglycerate mutase family.

SWISS:

Q16875

Gene ID:

5209

Database links:

[Entrez Gene: 5209](#) Human

[Entrez Gene: 170768](#) Mouse

[Entrez Gene: 24640](#) Rat

[Omim: 605319](#) Human

[SwissProt: Q16875](#) Human

[SwissProt: P25114](#) Rat

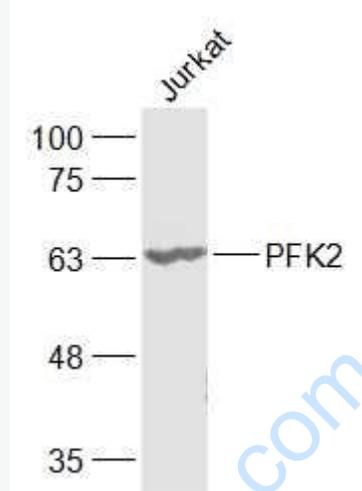
[Unigene: 444304](#) Human

[Unigene: 44844](#) Rat

Important Note:

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

PFK2是糖酵解的一种重要酶,广泛存在于各种生物细胞中。由于该酶对调控糖酵解通路的重要作用。



Picture:

Sample:

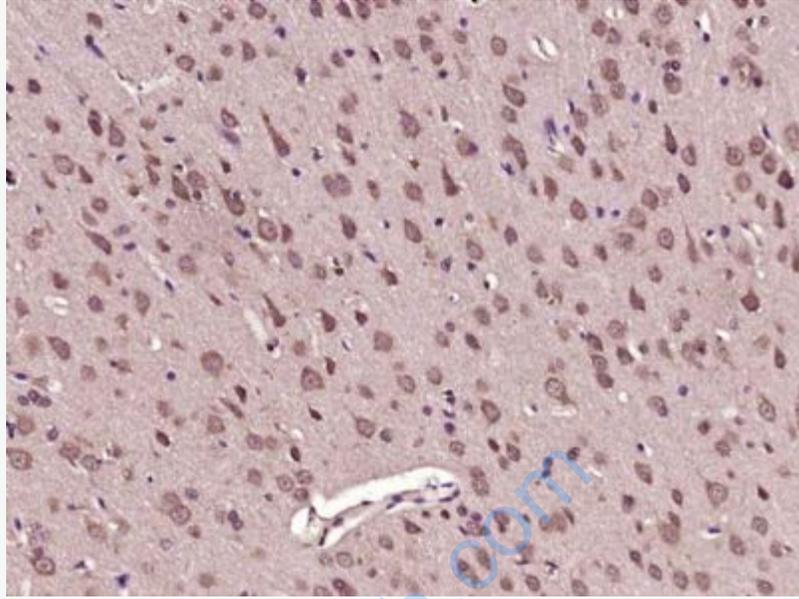
Jurkat(Human) Cell Lysate at 30 ug

Primary: Anti-PFK2 (SL3528R) at 1/1000 dilution

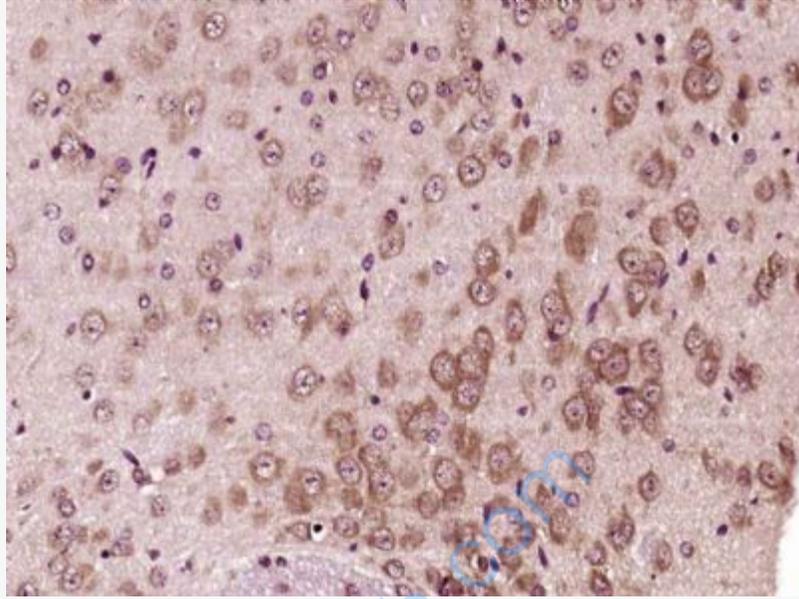
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 60 kD

Observed band size: 60 kD



Paraformaldehyde-fixed, paraffin embedded (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 (PFKFB3/PFK2) Polyclonal Antibody, Unconjugated (SL3528R) 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 (PFKFB3/PFK2) Polyclonal Antibody, Unconjugated (SL3528R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.