

## Product datasheet for **TA367744S**

### PFKFB3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 500-2000 WB positive control: Jurkat,Hela,A431,A549 and 293T cell lysates
Reactivity:	Human, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human PFKFB3
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	60 kDa
Gene Name:	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3
Database Link:	<a href="#">Entrez Gene 5209 Human Q16875</a>

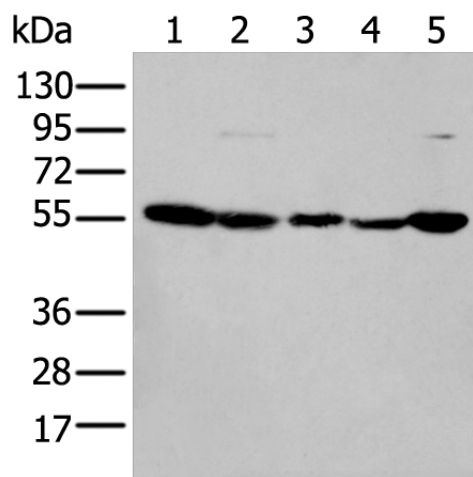
**Background:** The protein encoded by this gene belongs to a family of bifunctional proteins that are involved in both the synthesis and degradation of fructose-2,6-bisphosphate, a regulatory molecule that controls glycolysis in eukaryotes. The encoded protein has a 6-phosphofructo-2-kinase activity 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 of this gene have been described, but the full-length nature of some of these variants has not been determined.

**Synonyms:** 6-phosphofructo-2-kinase/fructose-2,6-biphosphatas; FLJ37326; iPFK-2; IPFK2; PFK2



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## Product images:



Gel: 8%SDS-PAGE

Lysate: 40  $\mu$ g

Lane 1-5: Jurkat

HeLa

A431

A549 and 293T cell lysates

Primary antibody: [TA367744] (PFKFB3 Antibody)  
at dilution 1/200

Secondary antibody: Goat anti rabbit IgG at  
1/8000 dilution

Exposure time: 20 seconds