

**PFK-B Polyclonal Antibody**  
Catalog # AP71868**Specification****PFK-B Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P17858</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**PFK-B Polyclonal Antibody - Additional Information**

Gene ID 5211

**Other Names**

PFKL; 6-phosphofructokinase; liver type; Phosphofructo-1-kinase isozyme B; PFK-B; Phosphofructokinase 1; Phosphohexokinase

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**PFK-B Polyclonal Antibody - Protein Information**Name PFKL ([HGNC:8876](#))**Function**

Catalyzes the phosphorylation of D-fructose 6-phosphate to fructose 1,6-bisphosphate by ATP, the first committing step of glycolysis (PubMed: <http://www.uniprot.org/citations/22923583> target="\_blank">22923583</a>). Negatively regulates the phagocyte oxidative burst in response to bacterial infection by controlling cellular NADPH biosynthesis and NADPH oxidase-derived reactive oxygen species. Upon macrophage activation, drives the metabolic switch toward glycolysis, thus preventing glucose turnover that produces NADPH via pentose phosphate pathway (By similarity).

**Cellular Location**

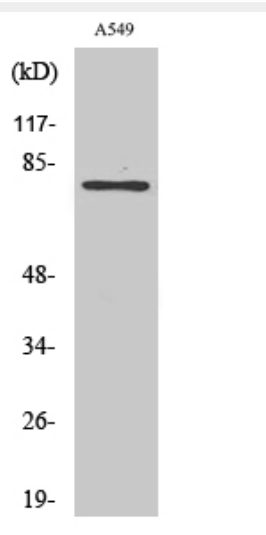
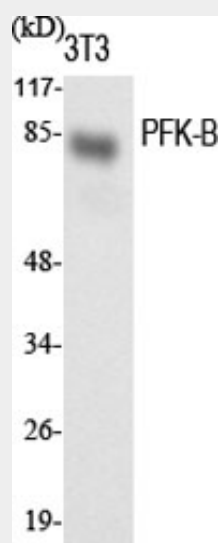
Cytoplasm {ECO:0000255|HAMAP-Rule:MF\_03184}.

**PFK-B Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **PFK-B Polyclonal Antibody - Images**



#### **PFK-B Polyclonal Antibody - Background**

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NADPH oxidase-derived reactive oxygen species. Upon macrophage activation, drives the metabolic switch toward glycolysis, thus preventing glucose turnover that produces NADPH via pentose phosphate pathway (By similarity).