

PFKL Rabbit mAb

Catalog # AP75898

Product Information

ApplicationWB, ICCPrimary AccessionP17858ReactivityMouse, RatHostRabbit

Clonality Monoclonal Antibody

Calculated MW 85018

Additional Information

Gene ID 5211

Other Names PFKL

Dilution WB~~1/500-1/1000 ICC~~N/A

Format 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and

0.05% BSA.

Storage Store at 4°C short term. Aliquot and store at -20°C long term. Avoid

freeze/thaw cycles.

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

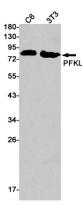
(PubMed:<u>22923583</u>). Negatively regulates the phagocyte oxidative burst in response to bacterial infection by controlling cellular NADPH biosynthesis and

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}.

Images



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