

Anti-FRUCTOSE-6-PHOSPHATE KINASE (GOAT) Antibody
Fructose-6-Phosphate Kinase Antibody
Catalog # ASR4073

Specification

Anti-FRUCTOSE-6-PHOSPHATE KINASE (GOAT) Antibody - Product Information

Host	Goat
Conjugate	Unconjugated
Target Species	Rabbit
Reactivity	Rabbit
Clonality	Polyclonal
Application	WB, E, I, LCI
Application Note	FRUCTOSE-6-PHOSPHATE KINASE antibody has been tested for use in ELISA, immunofluorescence microscopy and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 48 kDa in size corresponding to the processed mature form of F6PK protein by western blotting in the appropriate cell lysate or extract.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Full length native Fructose-6-Phosphate Kinase purified from rabbit muscle
Reconstitution Volume	100 µL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Preservative	0.01% (w/v) Sodium Azide

Anti-FRUCTOSE-6-PHOSPHATE KINASE (GOAT) Antibody - Additional Information

Other Names

100345647

Purity

Anti-FRUCTOSE-6-PHOSPHATE KINASE is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum as well as purified and partially purified Fructose-6-Phosphate Kinase [Rabbit muscle]. Cross reactivity against Fructose-6-Phosphate Kinase from other sources is expected based on high degrees of sequence homology for muscle derived F6PK. Partial reactivity may occur against F6PK isolated from liver.

Storage Condition

Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after

standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-FRUCTOSE-6-PHOSPHATE KINASE (GOAT) Antibody - Protein Information

Name PFKM

Function

Catalyzes the phosphorylation of D-fructose 6-phosphate to fructose 1,6-bisphosphate by ATP, the first committing step of glycolysis.

Cellular Location

Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03184}.

Anti-FRUCTOSE-6-PHOSPHATE KINASE (GOAT) 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](#)

Anti-FRUCTOSE-6-PHOSPHATE KINASE (GOAT) Antibody - Images**Anti-FRUCTOSE-6-PHOSPHATE KINASE (GOAT) Antibody - Background**

Fructose-6-Phosphate Kinase -2 (F6PK) also known as Phosphofructokinase (PFK) catalyzes the conversion of ATP + D-fructose 6-phosphate to ADP + D-fructose 1,6-bisphosphate and therefore is a key enzyme in the control of glycolysis and carbohydrate degradation. This is a unidirectional and rate-limiting step in glycolysis. Allosteric kinetics control activation by ADP, AMP, or fructose bisphosphate and inhibition by ATP or citrate. The enzyme exists as a homotetramer.