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Anti-FRUCTOSE-6-PHOSPHATE KINASE (Rabbit Muscle) (GOAT) Antibody Peroxidase Conjugated

Fructose-6-Phosphate Kinase Antibody HRP Conjugated
Catalog # ASR4096

Specification

Anti-FRUCTOSE-6-PHOSPHATE KINASE (Rabbit Muscle) (GOAT) Antibody Peroxidase Conjugated - Product Information

Host	**Goat**
Conjugate	**Peroxidase (Horseradish)**
Target Species	**Rabbit**
Reactivity	**Rabbit**
Clonality	**Polyclonal**
Application	**WB, E, I, LCI**
Application Note	**Anti-Fructose-6-Phosphate Kinase purified antibody is suitable 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	**Fructose-6-Phosphate Kinase [Rabbit Muscle]**
Reconstitution Volume	**100 µL**
Reconstitution Buffer	**Restore with deionized water (or equivalent)**
Stabilizer	**10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free**
Preservative	**0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!**

Anti-FRUCTOSE-6-PHOSPHATE KINASE (Rabbit Muscle) (GOAT) Antibody Peroxidase Conjugated - Additional Information

Other Names
100345647

Purity
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-Peroxidase, 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 may occur but have not been

specifically determined.

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 (Rabbit Muscle) (GOAT) Antibody Peroxidase Conjugated - 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 (Rabbit Muscle) (GOAT) Antibody Peroxidase Conjugated - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-FRUCTOSE-6-PHOSPHATE KINASE (Rabbit Muscle) (GOAT) Antibody Peroxidase Conjugated - Images

Anti-FRUCTOSE-6-PHOSPHATE KINASE (Rabbit Muscle) (GOAT) Antibody Peroxidase Conjugated - 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.