

## Anti-FRUCTOSE-6-PHOSPHATE KINASE (Rabbit Muscle) (GOAT) Antibody - 100-1156

**Code:** 100-1156

**Size:** 2 mL

**Product Description:** Anti-FRUCTOSE-6-PHOSPHATE KINASE (Rabbit Muscle) (GOAT) Antibody - 100-1156

**Concentration:** 90 mg/mL by Refractometry

**PhysicalState:** Lyophilized

<b>Label</b>	Unconjugated
<b>Host</b>	Goat
<b>Gene Name</b>	PFKM
<b>Species Reactivity</b>	rabbit
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Stabilizer</b>	None
<b>Preservative</b>	0.01% (w/v) Sodium Azide
<b>Storage Condition</b>	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.
<b>Synonyms</b>	6 Phosphofructokinase Muscle Type antibody, EC 2.7.1.11 antibody, GSD7 antibody, MGC8699 antibody, PFKA antibody, PFKL antibody, PFKM antibody, PFKP antibody, PFKX antibody, Phosphofructo 1 Kinase Isozyme A antibody, Phosphofructokinase 1 antibody
<b>Application Note</b>	This purified 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.
<b>Background</b>	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.
<b>Purity And Specificity</b>	This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against purified and partially purified Fructose-6-Phosphate Kinase [Rabbit Muscle]. Cross reactivity against Fructose-6-Phosphate Kinase from other sources may occur but has not been specifically determined.
<b>Assay Dilutions</b>	User Optimized
<b>ELISA</b>	1:4,000 - 1:20,000
<b>WESTERN BLOT</b>	1:500 - 1:2,000
<b>OTHER ASSAYS</b>	User Optimized
<b>Immunogen</b>	Fructose-6-Phosphate Kinase [Rabbit Muscle]

### Related Products

105-3102	Anti-GOAT IgG (H&L) (MOUSE) Antibody - 105-3102
105-4102	Anti-GOAT IgG (H&L) (RABBIT) Antibody - 105-4102
B501-0500	BLOTTO Immunoanalytical Grade (Non-Fat Dry Milk) - B501-0500

### Related Links

UniProtKB	<a href="http://www.uniprot.org/uniprot/P00511">http://www.uniprot.org/uniprot/P00511</a>
NCBI	<a href="http://www.ncbi.nlm.nih.gov/protein/125128">http://www.ncbi.nlm.nih.gov/protein/125128</a>
NCBI - 125128	<a href="http://www.ncbi.nlm.nih.gov/protein/125128">http://www.ncbi.nlm.nih.gov/protein/125128</a>

UniProt - P00511 <http://www.uniprot.org/uniprot/P00511>

Gene ID - <http://www.ncbi.nlm.nih.gov/gene/100345647>  
100345647

## **Disclaimer**

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.