

Datasheet: 7894-9988

Description:	GOAT ANTI PYRUVATE KINASE
Specificity:	PYRUVATE KINASE
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			
Western Blotting	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Product Form	Ig fraction - liquid
Preparation	Ig fraction prepared by a multi-step process including delipidation, salt fractionation and ion exchange chromatography followed by dialysis.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	10.0 mg/ml
Immunogen	Pyruvate kinase from rabbit muscle.
External Database Links	<p>UniProt: P11974 Related reagents</p> <p>Entrez Gene: 100008676 LOC100008676 Related reagents</p>

Specificity

Goat anti Rabbit pyruvate kinase antibody recognizes the enzyme pyruvate kinase isolated from rabbit muscle. Pyruvate kinase is an enzyme involved in glycolysis that catalyzes the transfer of phosphate from phosphoenol pyruvate (PEP) to ADP yielding ATP and pyruvate. Pyruvate can then

be converted to Acetyl CoA and enter the TCA cycle. At least three molecular forms with pyruvate kinase activity are known. PK1, the red cell form, is deficient in a type of hemolytic anemia. PK2 is found in kidney. PK3 is found in leukocytes, muscle, platelets, and brain but not in red cells or kidney.

Assay by IEP gives a single precipitin arc against anti-goat serum as well as partially purified rabbit muscle pyruvate kinase. Goat anti Rabbit pyruvate kinase antibody has been reported to react with all forms of pyruvate kinase.

Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10040 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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