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Product datasheet for R1089

Glycerol kinase (GK) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Suitable for immunoblotting (western or dot blot), ELISA, immunoprecipitation and most immunological methods requiring high titer and specificity. Recommended dilution: This product has been assayed against 1.0 µg of Glycerol Kinase [Celullomonas species] in a standard sandwich ELISA using Peroxidase conjugated Affinity Purified anti-Goat IgG [H&L] (Rabbit) and (ABTS(2,2-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid])as a substrate for 30 minutes at room temperature. A working dilution of 1:1,000 to 1:2,000 of the reconstitution concentration is suggested for this product.
Reactivity:	Cellulomonas
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Glycerol Kinase [Cellulomonas species]
Specificity:	Assay by immunoelectrophoresis resulted in a single precipitin arc against purified and partially purified Glycerol Kinase [Cellulomonas species]. Cross reactivity against Glycerol Kinase from other sources is unknown.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, containing 0.01% (w/v) Sodium Azide State: Serum State: Lyophilized serum
Reconstitution Method:	Restore with 2.0 ml of deionized water or equivalent.
Concentration:	lot specific
Purification:	This product was prepared from monospecific antiserum by a delipidation and defibrination.
Conjugation:	Unconjugated

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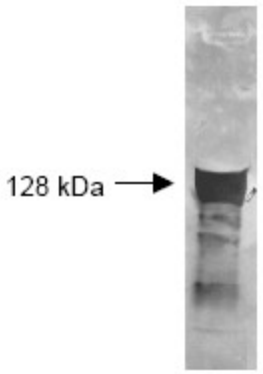
Storage:	Store vial at 4° C prior to restoration. Restore with 2.0 ml of deionized water (or equivalent); centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20°C or below. Avoid cycles of freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	glycerol kinase
Database Link:	P32189
Background:	Glycerol kinase catalyzes the formation of glycerol 3 phosphate from ATP and glycerol. Dihydroxyacetone and L glyceraldehyde can also act as acceptors; UTP and, in the case of the yeast enzyme, ITP and GTP can act as donors. It provides a way for glycerol derived from fats or glycerides to enter the glycolytic pathway. NB - Glycerol kinase obtained from Cellulomonas spp has an observed molecular weight of 128kDa.
Synonyms:	Glycerokinase, GK, GKD

Product images:



Both the antiserum and IgG fractions of anti-Glycerol Kinase (Cellulomonas) are shown to detect the 128,000 dalton enzyme in cellular extracts. Approximately 10 ug of total protein is loaded per lane. A 1:4,000 dilution of the primary antibody is used followed by detection using HRP Rabbit-a-Goat IgG [H&L] diluted 1:4,000 and color development using 4-CN substrate until sufficient color develops. Other detection systems will yield similar results.