

Product datasheet for R1089

Glycerol kinase (GK) Goat Polyclonal Antibody

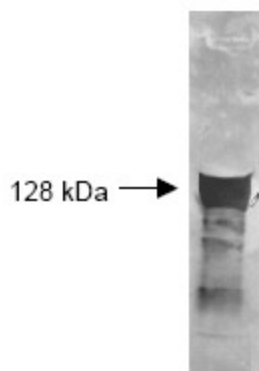
Product data:

| | |
|------------------------|---|
| 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 [Cellulomonas 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 |



[View online »](#)

| | |
|-----------------------|--|
| 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 <i>Cellulomonas</i> 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.