

Datasheet for ABIN7565884
anti-Glycerol Kinase antibody (HRP)



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Overview

Quantity:	25 µL
Target:	Glycerol Kinase (GK)
Reactivity:	Cellulomonas
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Glycerol Kinase antibody is conjugated to HRP
Application:	ELISA, Western Blotting (WB)

Product Details

Purpose:	Glycerol Kinase Antibody HRP Conjugated
Immunogen:	Immunogen: Glycerol Kinase [Cellulomonas species] Immunogen Type: Native Protein
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum as well as purified and partially purified Glycerol Kinase [Cellulomonas species].
Characteristics:	Synonyms: goat anti-Glycerol Kinase Antibody HRP Conjugation, Peroxidase Conjugated goat anti-Glycerol Kinase Antibody, ATP glycerol 3 phosphotransferase antibody, GK antibody, GK antibody, GK1 antibody, GKD antibody, Glycerokinase antibody, Glycerol kinase antibody, Glycerol kinase deficiency antibody
Purification:	Glycerol Kinase is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography

Product Details

followed by extensive dialysis against the buffer stated above.

Sterility: Sterile filtered

Target Details

Target: Glycerol Kinase (GK)

Alternative Name: glpK ([GK Products](#))

Background: Background: Glycerol Kinase is a key enzyme in the regulation of glycerol uptake and metabolism. Glycerol kinase is a phosphotransferase enzyme involved in triglycerides and glycerophospholipids synthesis.

Gene ID: 6960048

UniProt: [D0VZG4](#)

Application Details

Application Notes: Application Note: Anti-Glycerol Kinase has been tested by ELISA and western blot. this product is assayed against 1.0 µg of Glycerol Kinase [Cellulomonas species] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:500 to 1:2,500 of the reconstitution concentration is suggested for this product. Western Blot Dilution: 1:500 - 1:2,500 ELISA Dilution: 1:1,000 - 1:5,000 Other: User Optimized

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.0 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative: 0.01 % (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Handling

Storage Comment:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Expiry Date:	12 months
