

Datasheet for ABIN5596716
anti-Glycerol Kinase antibody (HRP)

2 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
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

Immunogen:	Immunogen: Glycerol Kinase [Cellulomonas species] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Glycerol Kinase from other sources is unknown.
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 followed by extensive dialysis against the buffer stated above. 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].

Target Details

Target:	Glycerol Kinase (GK)
---------	----------------------

Target Details

Alternative Name:	Glycerol Kinase (GK Products)
Background:	<p>Synonyms: ATP glycerol 3 phosphotransferase antibody, GK antibody, GK antibody, GK1 antibody, GKD antibody, Glycerokinase antibody, Glycerol kinase antibody, Glycerol kinase deficiency antibody, HRP</p> <p>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.</p> <p>Gene Name: glpK</p>
Gene ID:	6960048
UniProt:	D0VZG4

Application Details

Application Notes:	<p>Application Note: Anti-Glycerol Kinase has been 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.</p> <p>Western Blot Dilution: 1:500 - 1:2,500</p> <p>ELISA Dilution: 1:1,000 - 1:5,000</p>
Restrictions:	For Research Use only

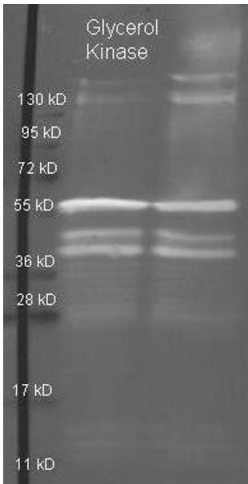
Handling

Format:	Lyophilized
Reconstitution:	<p>Reconstitution Volume: 100 µL</p> <p>Reconstitution Buffer: Restore with deionized water (or equivalent)</p>
Concentration:	1.0 mg/mL
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free</p>
Preservative:	Gentamicin sulfate
Precaution of Use:	This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

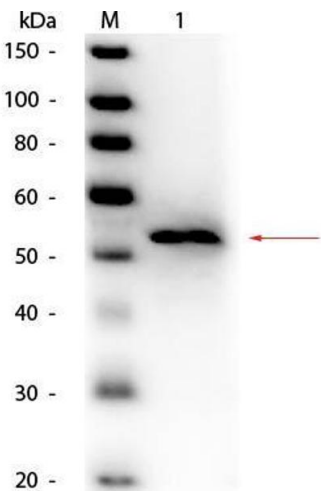
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Goat anti Glycerol Kinase antibody was used to detect purified Glycerol Kinase under reducing (R) and non-reducing (NR) conditions. Reduced samples of purified protein contained 4% BME and were boiled for 5 minutes. Samples of ~1ug of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with 1:3000 dilution of primary antibody (ON 4 C in ABIN925618). Detection shown was using Dylight 488 conjugated Donkey anti goat (605-741-125 lot 21094 1:10K in TBS/ABIN925618 1 hr RT). Images were collected using the BioRad VersaDoc System.



Western Blotting

Image 2. Western Blot of Goat anti-Glycerol Kinase (Cellulomonas species) Antibody Peroxidase Conjugated. Lane 1: Glycerol Kinase (Cellulomonas species). Load: 50 ng per lane. Primary antibody: Goat anti-Glycerol Kinase (Cellulomonas species) Antibody Peroxidase Conjugated at 1:1,000 overnight at 4°C. Secondary antibody: n/a. Block: ABIN925618 for 30 minutes at RT. Predicted/Observed size: 55 kDa, 55 kDa for Glycerol Kinase.