Datasheet for ABIN99889

anti-Glycerol Kinase antibody

2 Images

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Overview

Quantity:	2 mL
Target:	Glycerol Kinase (GK)
Reactivity:	Cellulomonas
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Glycerol Kinase antibody is un-conjugated
Application:	ELISA

Product Details

Immunogen:	Glycerol Kinase [Cellulomonas species] Immunogentype:Native
Characteristics:	Concentration Definition: by Refractometry

Target Details

Target:	Glycerol Kinase (GK)
Alternative Name:	Glycerol Kinase (GK Products)
Background:	Synonyms: ATP glycerol 3 phosphotransferase antibody, GK antibody, GK1 antibody, GKD antibody, Glycerokinase antibody, Glycerol kinase antibody, Glycerol kinase deficiency antibody
Gene ID:	6960048
UniProt:	D0VZG4

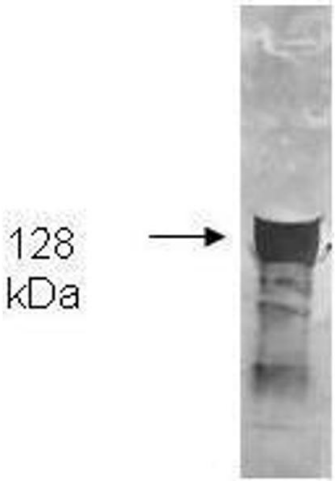
Application Details

Application Notes:	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) (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.
Restrictions:	For Research Use only

Handling

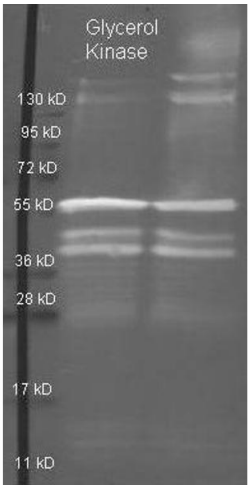
Format:	Lyophilized
Reconstitution:	Restore with deionized water (or equivalent)
Concentration:	90 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C

Images



Western Blotting

Image 1. 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.



Western Blotting

Image 2. 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.