

# Product Datasheet

## Glycerol Kinase Antibody - BSA Free NBP1-78018-0.1mg

Unit Size: 0.1 mg

Store lyophilized antibody at 4C. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.

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**NBP1-78018-0.1mg**

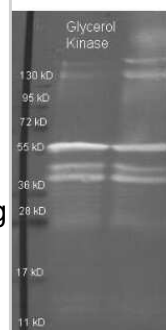
Glycerol Kinase Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	LYOPH mg/ml
Storage	Store lyophilized antibody at 4C. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Reconstitution Instructions	Reconstitute with 100 ml deionized water (or equivalent)
Isotype	IgG
Purity	Multi-step
Buffer	Lyophilized from 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Product Description	
Description	<p>This antibody 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-Goat Serum as well as purified and partially purified Glycerol Kinase [Cellulomonas species]</p> <p>Store vial at 4C prior to restoration. For extended storage aliquot contents and freeze at -20C 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 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
Host	Goat
Gene ID	2710
Gene Symbol	GK
Species	Bacteria
Reactivity Notes	Cross reactivity against Glycerol Kinase from other sources is unknown.
Immunogen	Glycerol Kinase [Cellulomonas species] (Uniprot: D0VZG4)
Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA 1:4000-1:20000
Application Notes	This product has been tested by ELISA and western blot. This product is assayed against 1.0 ug of Glycerol Kinase [Cellulomonas species] in a standard 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 1:4,000 to 1:18,000 of the reconstitution concentration is suggested for this product.

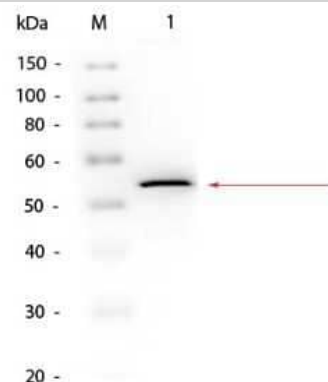


## Images

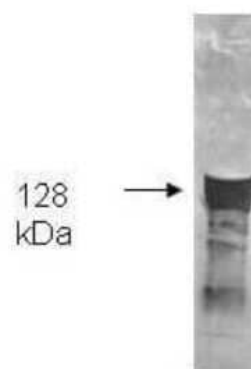
Western Blot: Glycerol Kinase Antibody [NBP1-78018] - Glycerol Kinase antibody was used to detect purified Glycerol Kinase under reducing (R) and non-reducing (NR) conditions. Reduced samples of purified protein contained 4% BME and were boiled for 5 minutes. Samples of ~1ug of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with 1:3000 dilution of primary antibody (block 4C). Detection shown was using Dylight 488 conjugated Donkey anti goat (1:10K in TBS/blocking buffer 1 hr RT). Images were collected using the VersaDoc System.



Western Blot: Glycerol Kinase Antibody [NBP1-78018] - Analysis using Biotin conjugate of NBP1-78018. Lane 1: Glycerol Kinase. Load: 50 ng per lane. Primary antibody: Glycerol Kinase Antibody Biotin Conjugated at 1:1000 overnight at 4C. Secondary antibody: HRP Streptavidin secondary antibody at 1:40,000 for 30 min at RT. Block: incubated with blocking buffer for 30 min at RT. Predicted/Observed size: 55 kDa, 55 kDa for Glycerol Kinase.



Western Blot: Glycerol Kinase Antibody [NBP1-78018] - Both the antiserum and IgG fractions of Glycerol Kinase antibody) 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.





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### **Products Related to NBP1-78018-0.1mg**

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
NBP1-57033PEP	Glycerol Kinase Antibody Blocking Peptide

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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