

Product datasheet for **TA396695**

gdhB Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	WB: 1:500 - 1:3,000 ELISA: 1:5,000 - 1:25,000
Reactivity:	Bacillus species
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Glucose Dehydrogenase [Bacillus species]
Specificity:	Anti-Glucose Dehydrogenase 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-Biotin, anti-Goat Serum as well as purified and partially purified Glucose Dehydrogenase [Bacillus species]. Cross reactivity against Glucose Dehydrogenase from other sources is unknown.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Method:	Restore with deionized water (or equivalent) - Reconstitution Volume: 100 µL
Concentration:	1.0 mg/mL - lot specific
Conjugation:	Biotin
Storage:	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.
Stability:	Expiration date is one (1) year from date of receipt.
Database Link:	<u>P07999</u>

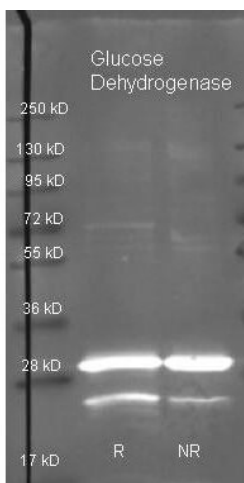
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Background: Anti-Glucose Dehydrogenase antibody recognizes glucose dehydrogenase. A member of the oxidoreductase family that acts on CH-OH group on donors, glucose dehydrogenase uses NAD⁺ or NADP⁺ as the acceptor. Glucose dehydrogenase reacts with beta-D-glucose to produce D-glucono-1,5-lactone and depending on the acceptor, either NADH or NADPH. Anti-Glucose Dehydrogenase is ideal for investigators interested in Metabolism, Cancer, and Signal Transduction.

Synonyms: goat anti-Glucose Dehydrogenase Antibody biotin Conjugation, biotin Conjugated goat anti-Glucose Dehydrogenase Antibody, gdh antibody, gdh2 antibody, gdh3 antibody, gdh4 antibody, gdhI antibody, GLCDHIII antibody, GLCDHIV antibody, Glucose 1 dehydrogenase 1 antibody

Note: Anti-Glucose Dehydrogenase has been assayed against 1.0 ug of Glucose Dehydrogenase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and 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 1:4,000 to 1:20,000 of the reconstitution concentration is suggested for this product.

Product images:



Rockland Goat anti Glucose Dehydrogenase antibody (100-101-214 lot 6454) was used to detect purified Glucose Dehydrogenase under reducing (R) and non-reducing (NR) conditions. Reduced samples of purified target proteins 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 MB-070). Detection shown was using Dylight 488 conjugated Donkey anti goat (605-741-125 lot 21094 1:10K in TBS/MB-070 1 hr RT). Images were collected using the BioRad VersaDoc System