Datasheet for ABIN1043704

anti-Glucose Oxidase antibody

2 Images

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Overview

Quantity:	100 µg
Target:	Glucose Oxidase (GOD)
Reactivity:	Aspergillus niger
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Glucose Oxidase antibody is un-conjugated
Application:	Immunoelectrophoresis (IEP)

Product Details

Immunogen:	Glucose Oxidase [Aspergillus niger] Immunogen Type: NativeProtein
Isotype:	IgG
Specificity:	This Anti-Glucose Oxidase Antibody product 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 Glucose Oxidase [Aspergillus niger]. Cross reactivity against Glucose Oxidase from other tissues and species may occur but have not been specifically determined.
Sterility:	Sterile filtered

Target Details

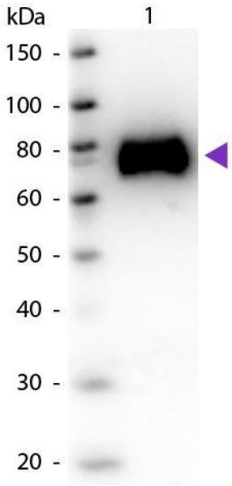
Target:	Glucose Oxidase (GOD)
Alternative Name:	Glucose Oxidase (GOD Products)
Background:	Synonyms: Beta D Glucose Oxygen 1 Oxido Reductase antibody, Glucose oxidase (Precursor) antibody, Glucose Oxyhydrase antibody, GOD antibody
UniProt:	P13006

Application Details

Comment:	Gene Name: gox
Restrictions:	For Research Use only

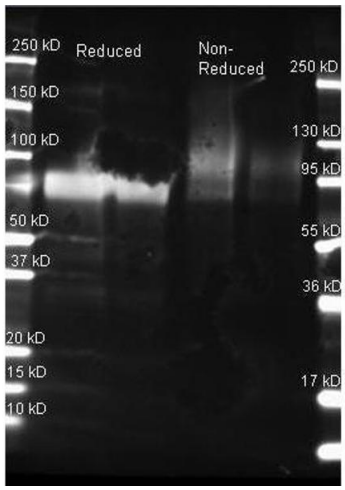
Handling

Format:	Liquid
Buffer:	0.01 M Sodium 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/-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. Expiration date is one (1) year from date of opening.
Expiry Date:	12 months



Western Blotting

Image 1. Western Blot of Goat anti-Glucose Oxidase antibody. Lane 1: Glucose Oxidase. Lane 2: None. Load: 50 ng per lane. Primary antibody: Glucose Oxidase antibody at 1:1,000 for overnight at 4°C. Secondary antibody: Peroxidase goat secondary antibody at 1:40,000 for 30 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 65-70 kDa, 65-70 kDa for Glucose Oxidase. Other band(s): None.



Western Blotting

Image 2. Goat anti Glucose Oxidase antibody was used to detect Glucose Oxidase under reducing and non-reducing conditions. Reduced samples of purified Glucose Oxidase contained 4% BME and were boiled for 5 minutes. Samples of ~1 and 0.25 ug of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with Goat anti Glucose Oxidase antibody (200-1137 lot 165 1:5K in MB-0070, ON 4 C). Primary antibody was detected with Dylight 649 conjugated Donkey anti Goat (605-743-125 lot 20834 1:10K 1.5 hr RT in ABIN925618 and imaged on the BioRad VersaDoc imaging system

