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Datasheet for ABIN5596886

anti-Glucose Oxidase antibody (HRP)

1 Image

Overview

Quantity:	100 µg
Target:	Glucose Oxidase (GOD)
Reactivity:	Aspergillus niger
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glucose Oxidase antibody is conjugated to HRP
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Immunogen: Glucose Oxidase [Aspergillus niger] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Glucose Oxidase from other tissues and species may occur but has not been specifically determined.
Purification:	Glucose Oxidase 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-Rabbit Serum as well as purified and partially purified Glucose Oxidase [Aspergillus niger].

Target Details

Target:	Glucose Oxidase (GOD)
Alternative Name:	Glucose Oxidase (GOD Products)
Background:	<p>Synonyms: Beta D Glucose Oxygen 1 Oxido Reductase antibody, Glucose oxidase (Precursor) antibody, Glucose Oxyhydrase antibody, GOD antibody</p> <p>Background: Glucose Oxidase is an oxido-reductase that catalyses the oxidation of glucose to hydrogen peroxide and D-glucono-δ-lactone. In cells, it aids in breaking the sugar down into its metabolites, used for the determination of free glucose in body fluids, and has many applications in biotechnologies.</p> <p>Gene Name: gox</p>
UniProt:	P13006

Application Details

Application Notes:	<p>Immunohistochemistry Dilution: 1:500 - 1:2,500</p> <p>Application Note: Anti-Glucose Oxidase is useful in ELISA, western blot, and Immunohistochemistry. Optimal titers should be obtained by researcher.</p> <p>Western Blot Dilution: 1:1,000 - 1:5,000</p> <p>ELISA Dilution: 1:5,000 - 1:25,000</p>
Restrictions:	For Research Use only

Handling

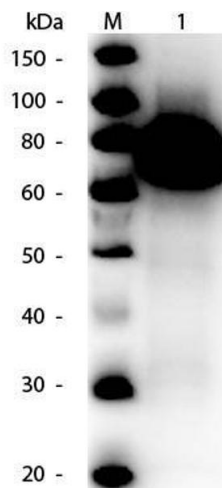
Format:	Lyophilized
Reconstitution:	<p>Reconstitution Volume: 100 μL</p> <p>Reconstitution Buffer: Restore with deionized water (or equivalent)</p>
Concentration:	1.0 mg/mL
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - 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.
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

Handling

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. Western Blot of Rabbit anti-Glucose Oxidase Antibody Peroxidase Conjugated. Lane 1: Glucose Oxidase. Load: 50 ng per lane. Primary antibody: Rabbit anti-Glucose Oxidase Antibody Peroxidase Conjugated at 1:1,000 overnight at 4°C. Secondary antibody: n/a. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 66 kDa, 66 kDa for Glucose Oxidase. Detected using FEMTOMAX-110 substrate.