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Datasheet for ABIN1607791
anti-Hexokinase antibody (Biotin)

Overview

Quantity:	100 µg
Target:	Hexokinase
Reactivity:	Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Hexokinase antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Hexokinase [Yeast] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Hexokinase from other sources may occur but have not been specifically determined.
Purity:	Anti-Hexokinase 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-Rabbit Serum as well as purified and partially purified Hexokinase [Yeast].
Endotoxin Level:	Low Endotoxin : No

Target Details

Target:	Hexokinase
Abstract:	Hexokinase Products
Background:	Anti-Hexokinase antibody recognizes hexokinase which phosphorylates hexoses. Hexokinase uses one ATP molecule when phosphorylating six-carbon sugars. In mammals there are four isozymes of hexokinase, the most notable of which is hexokinase IV, also known as glucokinase which is highly specific for glucose. Phosphorylation of hexoses commit them to certain metabolic pathways. For example, phosphorylation of glucose to glucose-6-phosphate limits it to glycolysis or glycogen synthesis. Anti-Hexokinase antibody is ideal for investigators interested in Metabolism, Cardiology, or Enzymology. Synonyms: DKFZp686M1669 antibody, Hexokinase 2 antibody, Hexokinase 2 muscle antibody, Hexokinase type II antibody
Gene ID:	852639
UniProt:	P04807

Application Details

Application Notes:	Anti-Hexokinase has been assayed against 1.0 µg of Hexokinase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-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. ELISA Dilution: 1:4.000 - 1:20.000 Western Blot Dilution: 1:500 - 1:2.000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	10 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Handling Advice:	Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store vial at -20 °C or below prior to opening. This vial contains a relatively low volume of

Handling

reagent (25 μ L). To minimize loss of volume dilute 1:10 by adding 225 μ L of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below.

Expiry Date: Expiration date is one (1) year from date of opening.