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Datasheet for ABIN5596731

## anti-Hexokinase antibody (HRP)

### 1 Image

#### Overview

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

#### Product Details

Immunogen:	Immunogen: Hexokinase [Yeast] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Hexokinase from other tissues and species is expected based on sequence homology.
Purification:	Anti-HEXOKINASE (RABBIT) 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-Rabbit Serum as well as purified and partially purified Hexokinase [Yeast].

## Target Details

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Target:	Hexokinase
Abstract:	<a href="#">Hexokinase Products</a>
Background:	<p>Synonyms: DKFZp686M1669 antibody, Hexokinase 2 antibody, Hexokinase 2 muscle antibody, Hexokinase type II antibody, HEX1, HKB</p> <p>Background: HEXOKINASE Antibody is specific for hexokinase. Hexokinase is an enzyme that phosphorylates hexoses (six-carbon sugars), forming hexose phosphate. In most organisms, glucose is the most important substrate of hexokinases, and glucose-6-phosphate the most important product. Hexokinases should not be confused with glucokinase, which is a specific isoform of hexokinase. While other hexokinases are capable of phosphorylating several hexoses, glucokinase acts with a 50-fold lower substrate affinity and its only hexose substrate is glucose. Anti Hexokinase is ideal for investigators involved in glucose energy metabolism, enzymes and AKT signaling research.</p> <p>Gene Name: HXK2</p>
Gene ID:	852639
UniProt:	<a href="#">P04807</a>

## Application Details

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Application Notes:	<p>Application Note: Anti-HEXOKINASE (RABBIT) Antibody can be used in applications such as Immunohistochemistry (IHC), Western blot (WB) Immunofluorescence (IF) ELISA. Specific conditions should be optimized by researcher.</p> <p>Western Blot Dilution: 1:500 - 1:1,000</p> <p>ELISA Dilution: 1:1,000 - 1:2,500</p>
Restrictions:	For Research Use only

## Handling

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Format:	Lyophilized
Reconstitution:	<p>Reconstitution Volume: 100 <math>\mu</math>L</p> <p>Reconstitution Buffer: Restore with deionized water (or equivalent)</p>
Concentration:	1.0 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	Gentamicin sulfate

## Handling

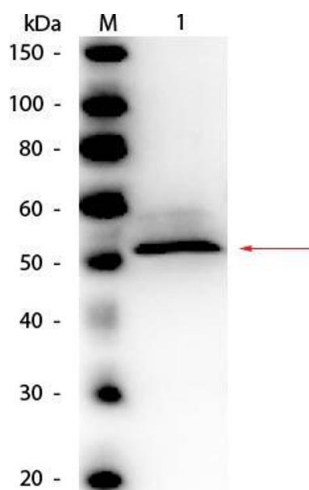
Precaution of Use: This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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 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

## Validation report #104084 for Unfolding Profile (UP)



### Western Blotting

**Image 1.** Western Blot of Rabbit anti-Hexokinase Antibody Peroxidase Conjugated. Lane 1: Hexokinase. Load: 50 ng per lane. Primary antibody: Rabbit anti-Hexokinase 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: 54 kDa, 54 kDa for Hexokinase.