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Datasheet for 100-4159

Hexokinase Antibody

Overview

Description:	Anti-Hexokinase (Yeast) (RABBIT) Antibody - 100-4159
Item No.:	100-4159
Size:	2 mL
Applications:	WB
Reactivity:	Hexokinase (Yeast)
Host Species:	Rabbit

Product Details

Background:	Hexokinase is the main glucose phosphorylating enzyme. It may play a regulatory role in both induction and repression of gene expression by glucose. In yeast there are three glucose-phosphorylating isoenzymes, designated hexokinase I, II and glucokinase. This protein is involved in the pathway hexose metabolism, which is part of Carbohydrate metabolism.
Synonyms:	rabbit anti-Hexokinase Antibody, DKFZp686M1669 antibody, Hexokinase 2 antibody, Hexokinase 2 muscle antibody, Hexokinase type II antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	HXK2
Reactivity:	Hexokinase (Yeast)
Immunogen Type:	Native Protein
Immunogen:	Hexokinase [Yeast]
Purity/Specificity:	This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-rabbit serum, purified and partially purified Hexokinase [Yeast]. Cross reactivity against Hexokinase from other tissues and species may occur but have not been specifically determined.

Relevant Links:	• UniProtKB - P04806 • NCBI - CAA96973.1 • UniProtKB - P04807 • GeneID - 852639

Application Details

Suggested Applications:	WB (Based on references)
Application Note:	Anti-Hexokinase is suitable for use in ELISA, western blot, and immunohistochemistry. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000 - 1:25,000
IHC:	User Optimized
WB:	1:500 - 1:3,000

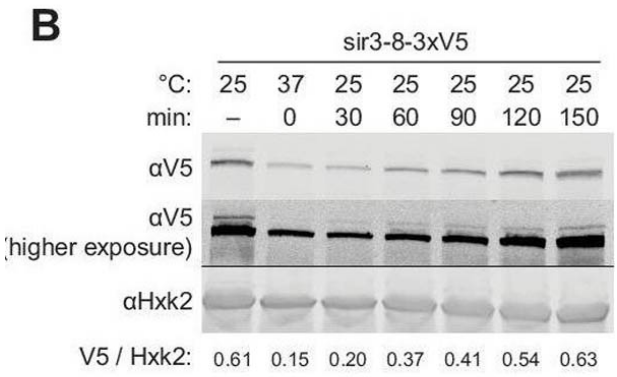
Formulation

Physical State:	Lyophilized
Concentration:	80 mg/mL by Refractometry
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None
Reconstitution Volume:	2.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

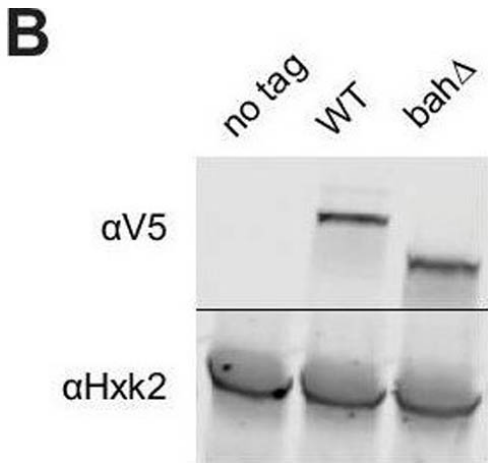
Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	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:	Expiration date is one (1) year from date of receipt.

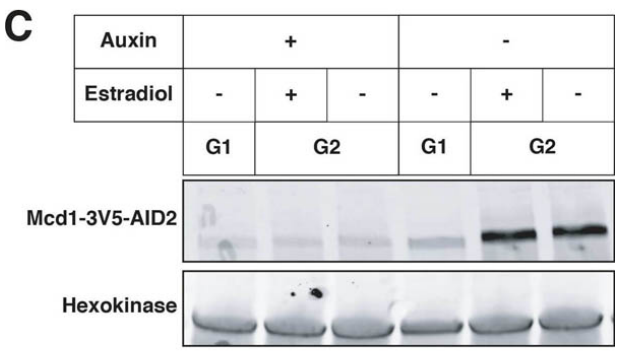
Images



Western Blot
Repression of HML and HMR preceded heterochromatin maturation. (B) Protein immunoblotting in a strain expressing sir3-8-3xV5 (JRY13467) constitutively at 25°C (first lane), constitutively at 37°C (second lane), and at 30, 60, 90, 120, and 150 min after a shift to 25°C. Top row is 3xV5-tagged sir3-8 protein, the middle row is the same as the top row but at a higher exposure, and the bottom row is the loading control Hxk2. Figure provided by CiteAb. Source: Elife, PMID: 35073254.



Western Blot
Nucleosome binding was required for spread, but not recruitment, of Sir3 to regions of heterochromatin. (B) Protein immunoblotting in strains expressing Sir3 (no tag, JRY11699), Sir3-3xV5 (JRY12601), and sir3-bahΔ–3xV5 (JRY13621). Top row are 3xV5-tagged Sir3 proteins, and bottom row is the loading control Hxk2. Figure provided by CiteAb. Source: Elife, PMID: 35073254.



Western Blot

Effects of cohesin depletion and tT(AGU)C deletion on silencing establishment. (A) SIR3-EBD strains (JRY12269, JRY12270) and SIR3-EBD strains with seamless deletion of tT (AGU)C (JRY12267; JRY12268) were arrested in G1 with α factor, then split, with half the culture receiving estradiol and half receiving ethanol. Samples were collected after 3 hr for RT-qPCR, with each sample normalized to its own pre-estradiol value. (B) Cells with MCD1-AID (JRY12560, JRY12561) were arrested in G1 with α factor, then split, with half receiving auxin and the other half receiving DMSO (solvent control). After 30 min, each culture was further split, with half receiving estradiol and the other half ethanol. All cultures were released to G2/M by addition of protease and nocodazole. Cells were collected after 3 hr for RT-qPCR, with each sample normalized to its own pre-estradiol value. (C) Immunoblot analysis showing Mcd1-AID depletion for experiment described in (B). Figure provided by CiteAb. Source: Elife, PMID: 32687055.

References

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