

Datasheet for 200-4659S**Hexokinase Antibody Biotin Conjugated****Overview**

Description:	Anti-Hexokinase (Yeast) (RABBIT) Antibody Biotin Conjugated - 200-4659S
Item No.:	200-4659S
Size:	25 µL
Applications:	ELISA, WB
Reactivity:	Hexokinase (Yeast)
Host Species:	Rabbit

Product Details

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:	rabbit anti-Hexokinase Antibody Biotin Conjugation, Biotin Conjugated rabbit anti-Hexokinase Antibody, DKFZp686M1669 antibody, Hexokinase 2 antibody, Hexokinase 2 muscle antibody, Hexokinase type II antibody
Host Species:	Rabbit
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	HXK2
Reactivity:	Hexokinase (Yeast)
Immunogen Type:	Native Protein

Immunogen:	Hexokinase [Yeast]
Purity/Specificity:	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]. Cross reactivity against Hexokinase from other sources may occur but have not been specifically determined.
Relevant Links:	• UniProtKB - P04806 • UniProtKB - P04807 • NCBI - CAA96973.1 • GenelD - 852639

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Hexokinase Biotin Conjugated Antibody has been tested by ELISA and western blot. This product is assayed against 1.0 ug of Hexokinase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:1,000 - 1:2,500
WB:	1:500 - 1:1,000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL 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. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
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Expiration:	Expiration date is one (1) year from date of receipt.
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Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.