

Datasheet for 200-4359S

Hexokinase Antibody Peroxidase Conjugated

Overview

Description:	Anti-Hexokinase (RABBIT) Antibody Peroxidase Conjugated - 200-4359S
Item No.:	200-4359S
Size:	25 µL
Applications:	ELISA, WB
Reactivity:	Hexokinase (Yeast)
Host Species:	Rabbit

Product Details

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.
Synonyms:	rabbit anti-Hexokinase antibody HRP conjugation, peroxidase conjugation rabbit anti-Hexokinase antibody, DKFZp686M1669 antibody, Hexokinase 2 antibody, Hexokinase 2 muscle antibody, Hexokinase type II antibody, HEX1, HKB
Host Species:	Rabbit
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

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

Immunogen:	Hexokinase [Yeast]
Purity/Specificity:	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-peroxidase, anti-Rabbit Serum as well as purified and partially purified Hexokinase [Yeast]. Cross reactivity against Hexokinase from other tissues and species is expected based on sequence homology.
Relevant Links:	• UniProtKB - P04806 • UniProtKB - P04807 • NCBI - CAA96973.1 • GenelD - 852639

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-HEXOKINASE Peroxidase Conjugated Antibody has been tested by ELISA and western blot and can be used in applications such as Immunohistochemistry (IHC), and Immunofluorescence (IF). Specific conditions should be optimized by researcher.
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) Gentamicin Sulfate. Do NOT add Sodium Azide!

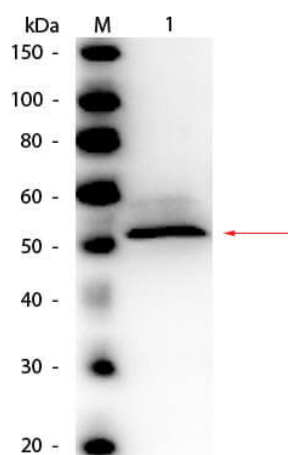
Shipping & Handling

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.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

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: MB-070 for 30 min at RT. Predicted/Observed size: 54 kDa, 54 kDa for Hexokinase.

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.