

Product datasheet for **TA397044**

HXK2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	WB: 1:500 - 1:1,000 ELISA: 1:1,000 - 1:2,500
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Hexokinase [Yeast]
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.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Method:	Restore with deionized water (or equivalent) - Reconstitution Volume: 100 µL
Concentration:	1.0 mg/mL - lot specific
Conjugation:	Biotin
Storage:	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.
Stability:	Expiration date is one (1) year from date of receipt.
Database Link:	P04806



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- 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
- 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-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.