

Polyclonal Antibody to Hexokinase-1 - HRP

Alternate names:	Brain form hexokinase, HK1, Hexokinase type I
Catalog No.:	R1093HRP
Quantity:	20 mg
Concentration:	10.0 mg/ml (by UV absorbance at 280 nm)
Uniprot ID:	P04807
NCBI:	NP_011261.1
GeneID:	852639
Host:	Rabbit
Immunogen:	Hexokinase [Yeast]
Format:	State: Lyophilized purified Ig fraction Purification: Multi-step process Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with 10 mg/ml Bovine Serum Albumin (BSA, IgG and Protease free) as stabilizer and 0.01% (w/v) Gentamicin Sulfate as preservative. Label: HRP – Horseradish Peroxidase Reconstitution: Restore with 2.0 ml of deionized water (or equivalent).
Applications:	Suitable for Immunoblotting (Western or Dot blot), ELISA, Immunoperoxidase electron microscopy and Immunohistochemistry as well as other peroxidase-antibody based enzymatic assays. Recommended Dilutions: This product has been assayed against 1.0 ug of Hexokinase [Yeast] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenzothiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:800 to 1:3,000 of the reconstitution concentration is suggested for this product. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This product 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 may occur but have not been specifically determined.

- Storage:** Store vial at 2-8°C prior to restoration. For extended storage add glycerol to 50% and then aliquot contents and freeze at -20°C or below. Centrifuge product if not completely clear after standing at room temperature.
This antibody is stable for one month at 2-8°C as an undiluted liquid.
Dilute only prior to immediate use.
Avoid repeated freezing and thawing.
Shelf life: One year from despatch.
- Caution:** Do Not Use Sodium Azide as Preservative.
- Product Citations:** **Purchased from Acris:**
1. Eliyahu E, Pnueli L, Melamed D, Scherrer T, Gerber AP, Pines O, et al. Tom20 mediates localization of mRNAs to mitochondria in a translation-dependent manner. Mol Cell Biol. 2010 Jan;30(1):284-94. doi: 10.1128/MCB.00651-09. Epub . PubMed PMID: 19858288.
- General Readings:** Farr & Nakane, J. Immunol. Methods 47; 129-144. 1981. (Conjugation)