

# Product Datasheet

## Hexokinase 2 Antibody - BSA Free NBP2-44234

Unit Size: 0.1 mg

Store lyophilized antibody at 4C. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.

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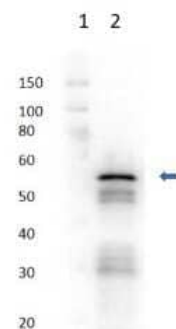
**NBP2-44234**

Hexokinase 2 Antibody - BSA Free

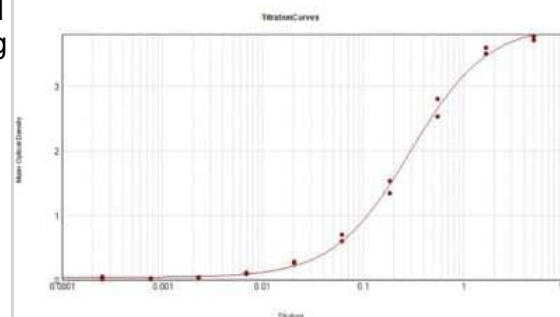
Product Information	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	LYOPH mg/ml
<b>Storage</b>	Store lyophilized antibody at 4C. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Sodium Azide
<b>Reconstitution Instructions</b>	Reconstitute with 100 ul deionized water (or equivalent)
<b>Isotype</b>	IgG
<b>Purity</b>	Multi-step
<b>Buffer</b>	Lyophilized from 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Product Description	
<b>Description</b>	<p>This 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-Rabbit Serum as well as purified and partially purified Hexokinase [Yeast]</p> <p>Store vial at 4C prior to restoration. For extended storage aliquot contents and freeze at -20C 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 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
<b>Host</b>	Rabbit
<b>Gene ID</b>	3099
<b>Gene Symbol</b>	HK2
<b>Species</b>	Yeast
<b>Reactivity Notes</b>	Cross reactivity against Hexokinase 2 from other tissues and species may occur but have not been specifically determined.
<b>Immunogen</b>	Hexokinase 2 Antibody was produced by repeated immunizations with yeast hexokinase protein. (Uniprot: P04806)
Product Application Details	
<b>Applications</b>	Western Blot, ELISA, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:1000-1:5000, ELISA 1:3000-1:10000, Immunohistochemistry 1:10-1:500
<b>Application Notes</b>	This product has been tested by western blotting and for ELISA and is suitable for IHC. Researchers should determine optimal titers for applications that are not stated below.

## Images

Western Blot: Hexokinase 2 Antibody [NBP2-44234] - Western Blot of Rabbit Hexokinase 2 antibody. Lane 1: Molecular Weight Marker. Lane 2: Hexokinase 2. Primary Antibody: Anti-Hexokinase 2 at 1:1000 overnight in 2-8C. Secondary Antibody: Goat Anti-Rabbit IgG HRP at 1:40,000 for 30 mins at RT. Block: Blocking buffer for 30 mins at RT. Expect MW: ~54kDa.



ELISA: Hexokinase 2 Antibody [NBP2-44234] - ELISA Results of Rabbit Hexokinase 2 antibody tested against purified Hexokinase 2. Each well was coated in duplicate with 1.0 ug of Hexokinase 2 (Yeast). The starting dilution of antibody was 5ug/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using HRP Conjugate Stabilizer, Goat Anti-Rabbit IgG HRP conjugated and TMB substrate.



## Publications

Jaiswal D, Turniansky R, Moresco JJ et al. Function of the MYND domain and C-terminal region in regulating the subcellular localization and catalytic activity of the SMYD family lysine methyltransferase Set5 Mol. Cell. Biol. 2019-11-04 [PMID: 31685550] (Yeast)



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### **Products Related to NBP2-44234**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-90922PEP	Hexokinase 2 Recombinant Protein Antigen

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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