

Anti-Hexokinase 1 HK1 Antibody

Catalog Number: A01504-2

About HK1

There are four major glucose-phosphorylating isoenzymes, designated Hexokinase 1 I, II, III, and IV (1). Hexokinase 1 activity is involved in the first step in several metabolic pathways including phosphorylation of glucose to produce glucose-6-phosphate, thus committing glucose to the glycolytic pathway (1,2). Hexokinase 1 2 is the predominant Hexokinase 1 isozyme expressed in insulin-responsive tissues such as skeletal muscle and its expression is insulin-responsive (3). It is involved in the increased rate of glycolysis seen in rapidly growing cancer cells (4).

Overview

Product Name	Anti-Hexokinase 1 HK1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Hexokinase 1 HK1 Antibody (Catalog # A01504-2). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Hexokinase 1 antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Hexokinase 1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	P19367

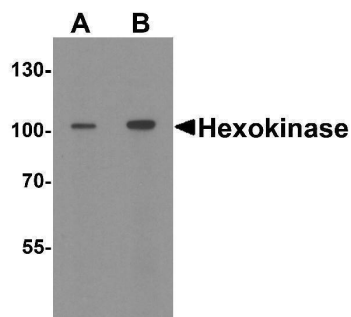
Technical Details

Immunogen	Hexokinase 1 antibody was raised against a 16 amino acid peptide near the carboxy terminus of human Hexokinase 1. The immunogen is located within amino acids 830 - 880 of Hexokinase 1.
Predicted Reactive Species	Bovine
Cross Reactivity	Hexokinase 1 antibody is human, mouse and rat reactive. Multiple isoforms of Hexokinase 1 are known to exist.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Hexokinase 1 antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	Hexokinase 1 antibody can be used for detection of Hexokinase 1 by Western blot at 1 - 2 ug/ml.

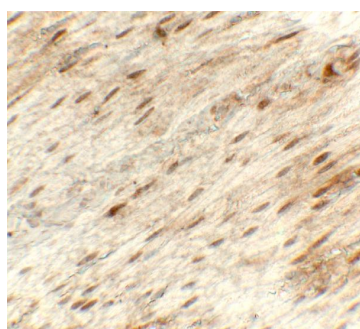
Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in rat samples; Immunohistochemistry in rat samples and Immunofluorescence in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

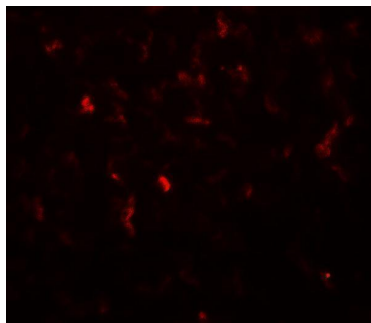
Anti-Hexokinase 1 HK1 Antibody (A01504-2) Images



Western blot analysis of Hexokinase 1 in rat bladder tissue lysate with Hexokinase 1 antibody at (A) 1 and (B) 2 ug/ml.



Immunohistochemistry of Hexokinase 1 in rat stomach tissue with Hexokinase 1 antibody at 5 ug/mL.



Immunofluorescence of Hexokinase 1 in rat stomach tissue with Hexokinase 1 antibody at 20 ug/mL.

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Anti-Hexokinase 1 HK1 Antibody

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