

Datasheet for ABIN634132
anti-Hexokinase 2 antibody (N-Term)



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2 Images

Overview

Quantity:	100 µL
Target:	Hexokinase 2 (HK2)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Hexokinase 2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Hexokinase 2 antibody was raised using the N terminal of HK2 corresponding to a region with amino acids GTEHGFLALDLGGTNFRVLWVKVTDNGLQKVMENQIYAIPEDIMRGSG
Specificity:	Hexokinase 2 antibody was raised against the N terminal of HK2
Purification:	Affinity purified

Target Details

Target:	Hexokinase 2 (HK2)
Alternative Name:	Hexokinase 2 (HK2 Products)
Background:	Hexokinases phosphorylate glucose to produce glucose-6-phosphate, thus committing glucose to the glycolytic pathway. HK2 (hexokinase 2) is the predominant form found in skeletal muscle. It localizes to the outer membrane of mitochondria. Expression of this protein is

Target Details

insulin-responsive, and studies in rat suggest that it is involved in the increased rate of glycolysis seen in rapidly growing cancer cells. Hexokinases phosphorylate glucose to produce glucose-6-phosphate, thus committing glucose to the glycolytic pathway.

Molecular Weight: 102 kDa (MW of target protein)

Pathways: [PI3K-Akt Signaling](#), [Carbohydrate Homeostasis](#), [Warburg Effect](#)

Application Details

Application Notes: WB: 1 µg/mL
Optimal conditions should be determined by the investigator.

Comment: Hexokinase 2 Blocking Peptide, catalog no. 33R-3606, is also available for use as a blocking control in assays to test for specificity of this Hexokinase 2 antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of HK2 antibody in PBS

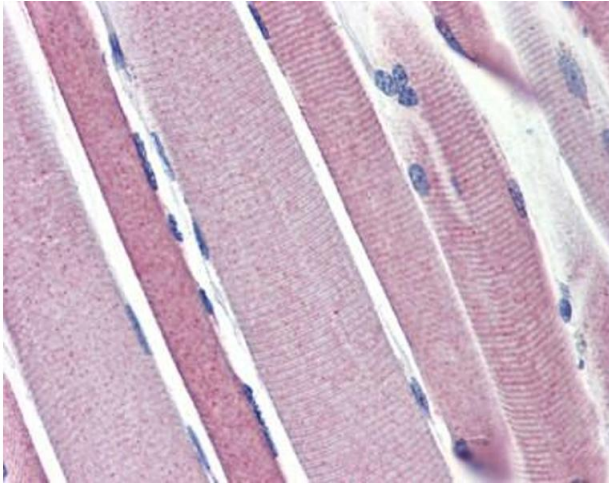
Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

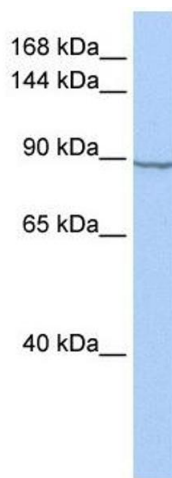
Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



Immunohistochemistry

Image 1. Hexokinase 2 antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml. Magnification is at 400X



Western Blotting

Image 2. Hexokinase 2 antibody used at 1 ug/ml to detect target protein.