

Datasheet for ABIN7240724
anti-Hexokinase 2 antibody

3 Images

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Overview

Quantity:	200 µL
Target:	Hexokinase 2 (HK2)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Hexokinase 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant protein of human HK2
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	Hexokinase 2 (HK2)
Alternative Name:	HK2 (HK2 Products)
Background:	Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. This gene encodes hexokinase 2, the predominant form found in skeletal muscle. It localizes to the outer membrane of mitochondria. Expression of this gene is insulin-responsive, and studies in rat suggest that it is involved in the increased rate of

Target Details

	glycolysis seen in rapidly growing cancer cells.
Molecular Weight:	102 kDa
UniProt:	P52789
Pathways:	PI3K-Akt Signaling , Carbohydrate Homeostasis , Warburg Effect

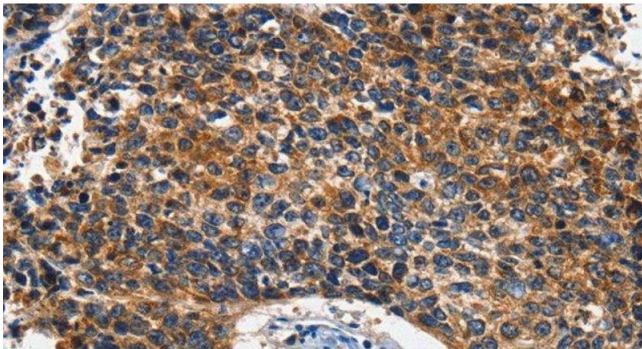
Application Details

Application Notes:	WB 1:1000-1:5000, IHC 1:100-1:300
Restrictions:	For Research Use only

Handling

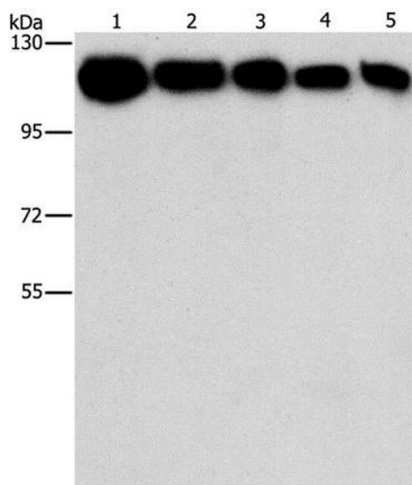
Format:	Liquid
Concentration:	0.6 mg/mL
Buffer:	PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



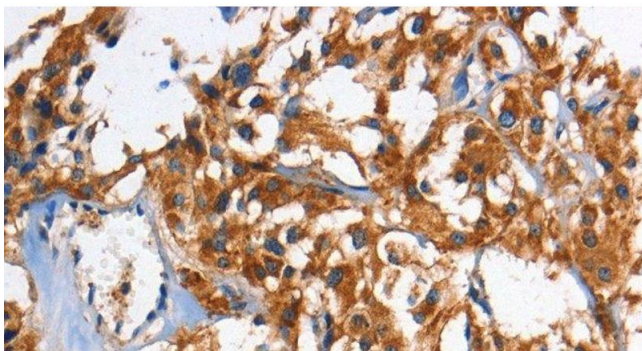
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human lung cancer using HK2 Polyclonal Antibody at dilution of 1:60



Western Blotting

Image 2. Western Blot analysis of A431, K562, 231, hela and hepG2 cell using HK2 Polyclonal Antibody at dilution of 1:1200



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Human thyroid cancer using HK2 Polyclonal Antibody at dilution of 1:60