

## Anti-Hexokinase II Rabbit pAb



WL02454

For Research Use Only. Not For Use In Diagnostic Procedures

## Product Information

<b>Product name</b>	Anti-Hexokinase II Rabbit pAb	
<b>Source</b>	Rabbit	
<b>Species reactivity</b>	Human, Mouse, Rat	
<b>Tested applications</b>	WB	1:1000-1:2000
	IHC	1:100-1:200
<b>Cellular localization</b>	Mitochondrion outer membrane	
<b>Pack size</b>	50/100/200/500/1000µl	
<b>Storage</b>	Store at -20°C. <b>Avoid freeze/thaw cycles.</b>	
<b>Storage buffer</b>	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

## General Information

**Background** Hexokinase catalyzes the conversion of glucose to glucose-6-phosphate, the first step in glycolysis. Four distinct mammalian hexokinase isoforms, designated as hexokinase I, II, III, and IV (glucokinase), have been identified. hexokinase 2 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 glycolysis seen in rapidly growing cancer cells.

**Immunogen** Polyclonal antibody is produced by immunizing animals with a synthetic peptide of Hexokinase II.

**Purification** Polyclonal antibody was purified by Protein A affinity chromatography.

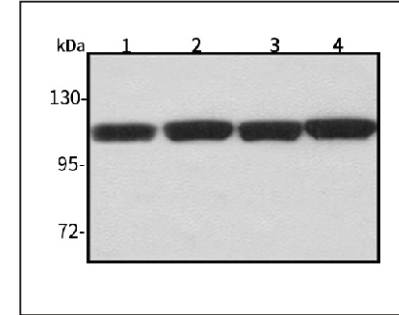
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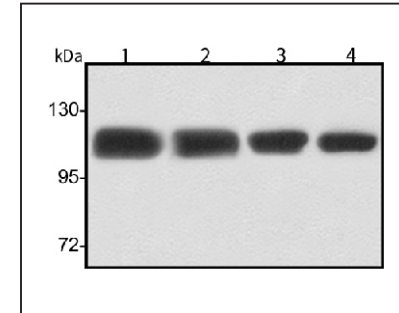
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## Product Images



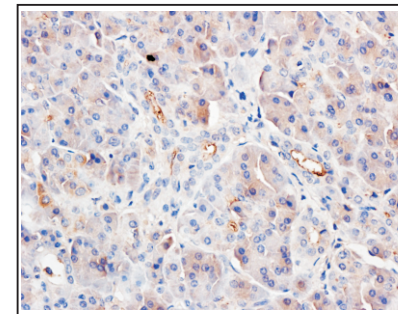
## Western blot-Anti-Hexokinase II pAb

Lane 1: Human HepG2 cell lysate  
 Lane 2: Human BGC-823 cell lysate  
 Lane 3: Human SGC-7901 cell lysate  
 Lane 4: Human MCF-7 cell lysate  
 All lanes: Anti-Hexokinase II at 1:1000 dilution  
 Lysates/proteins at 20-50 µg per lane.  
 Predicted band size: 102 kDa  
 Observed band size: 102 kDa



## Western blot-Anti-Hexokinase II pAb

Lane 1: Mouse kidney tissue lysate  
 Lane 2: Mouse heart tissue lysate  
 Lane 3: Rat brain tissue lysate  
 Lane 4: Rat spleen tissue lysate  
 All lanes: Anti-Hexokinase II at 1:1000 dilution  
 Lysates/proteins at 20-50 µg per lane.  
 Predicted band size: 102 kDa  
 Observed band size: 102 kDa



## Immunohistochemistry-Anti-Hexokinase II pAb

Immunohistochemical analysis of paraffin-embedded human pancreatic cancer using anti-Hexokinase II Rabbit Antibody at 1:200 dilution. Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

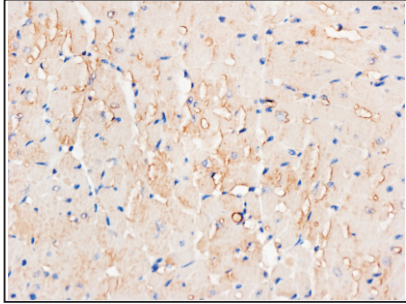
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### Product Information



#### Immunohistochemistry-Anti-Hexokinase II pAb

Immunohistochemical analysis of paraffin-embedded mouse heart (LPS treated) using anti-Hexokinase II Rabbit Antibody at 1:100 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0