

For Research Use Only

# Hexokinase 1 Polyclonal antibody

Catalog Number: 15656-1-AP **7 Publications**



## Basic Information

<b>Catalog Number:</b> 15656-1-AP	<b>GenBank Accession Number:</b> BC008730	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 240 µg/ml	<b>GeneID (NCBI):</b> 3098	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P19367	
<b>Isotype:</b> IgG	<b>Full Name:</b> hexokinase 1	
<b>Immunogen Catalog Number:</b> AG8008	<b>Calculated MW:</b> 102 kDa	
	<b>Observed MW:</b> 100 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : MCF-7 cells, U-87 MG cells
<b>Cited Applications:</b> WB, IHC	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, rat	

## Background Information

The hexokinases (HKs) catalyze the first obligatory step in glucose metabolism to generate glucose-6-phosphate. This not only furthers glucose entry by maintaining the concentration gradient for facilitated glucose influx but also provides the first intermediate for essentially all major pathways using glucose. There are four conventional HK isoforms, HK1/2/3/4, encoded by four different genes. Most adult tissues express only HK1. Muscle and adipose tissue use HK2 for glycolysis, liver, and pancreatic beta cells express HK4 (also called glucokinase) and do not express HK1 or HK2. (PMID: 31434645, PMID: 31848318)

## Notable Publications

Author	Pubmed ID	Journal	Application
Hong Jin	33253911	Cell Signal	WB
Yanqing Li	33204111	Onco Targets Ther	WB
Li Yang	31332157	Med Sci Monit	IHC

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

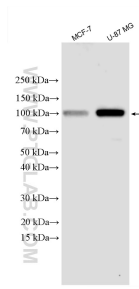
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15656-1-AP (Hexokinase 1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.