

For Research Use Only

Hexokinase 1 Monoclonal antibody, PBS Only



Catalog Number: 68419-1-PBS

Basic Information

Catalog Number: 68419-1-PBS	GenBank Accession Number: BC008730	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3098	CloneNo.: 2B4F9
Source: Mouse	UNIPROT ID: P19367	
Isotype: IgG2a	Full Name: hexokinase 1	
Immunogen Catalog Number: AG8015	Calculated MW: 102 kDa	
	Observed MW: 100 kDa	

Applications

Tested Applications:
WB, IP, IHC, Indirect ELISA

Species Specificity:
Human, mouse, rat, pig

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)

Storage

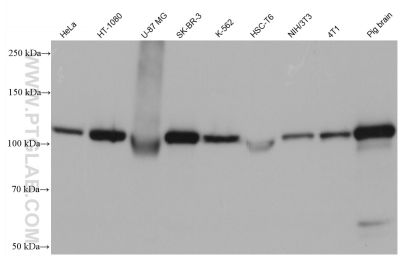
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

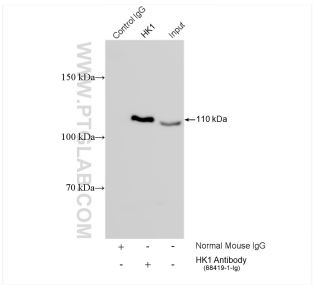
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

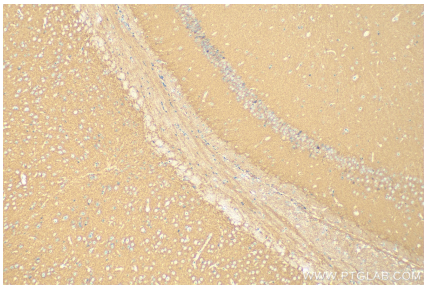
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68419-1-Ig (HK1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68419-1-PBS in a different storage buffer formulation.



IP result of anti-Hexokinase 1 (IP:68419-1-Ig, 4ug; Detection:68419-1-Ig 1:2000) with HeLa cells lysate 1560 ug. This data was developed using the same antibody clone with 68419-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 68419-1-Ig (Hexokinase 1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68419-1-PBS in a different storage buffer formulation.