

For Research Use Only

Hexokinase 1 Monoclonal antibody, PBS Only



Catalog Number: 68419-1-PBS

Basic Information

Catalog Number:

68419-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG8015

GenBank Accession Number:

BC008730

GeneID (NCBI):

3098

UNIPROT ID:

P19367

Full Name:

hexokinase 1

Calculated MW:

102 kDa

Observed MW:

100 kDa

Purification Method:

Protein A purification

CloneNo.:

2B4F9

Applications

Tested Applications:

WB, IP, Indirect ELISA, IHC

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

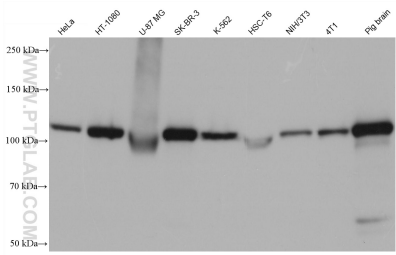
T: 4006900926

E: Proteintech-CN@ptglab.com

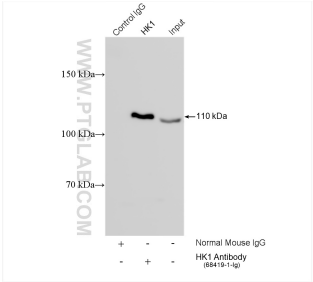
W: ptgcn.com

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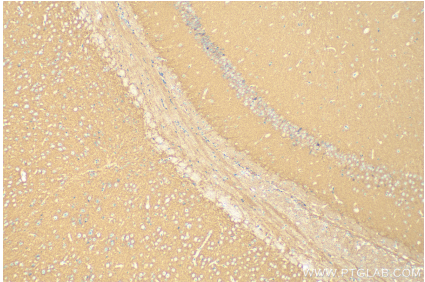
Selected Validation Data



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.