

For Research Use Only

Hexokinase 2 Monoclonal antibody, PBS Only



Catalog Number: 66974-1-PBS

Basic Information

Catalog Number: 66974-1-PBS	GenBank Accession Number: BC021116	Purification Method: Protein G purification
Size: 1 mg/ml	GeneID (NCBI): 3099	CloneNo.: 2A11C3
Source: Mouse	UNIPROT ID: P52789	
Isotype: IgG1	Full Name: hexokinase 2	
Immunogen Catalog Number: AG16895	Calculated MW: 102 kDa	
	Observed MW: 102 kDa	

Applications

Tested Applications:
WB, Indirect ELISA, IHC

Species Specificity:
Human, Mouse, Rat

Background Information

Hexokinase 2 (HK2), a rate-limiting enzyme in the first step of glycolysis pathway, expresses at high level in cancer cells compared with normal cells. HK2 provides a new target for cancer therapy due to its pivotal role in tumor tumorigenic and metastatic process. HK1 is constitutively expressed in most mammalian adult tissues. HK2, however, although is abundantly expressed in embryonic tissues, is expressed at high levels only in limited number of adult tissues such as adipose, skeletal, and cardiac muscles. (PMID: 29305912, PMID: 28427443, PMID: 23911236). The antibody also recognizes Hexokinase 1.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

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

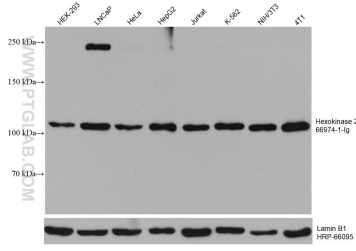
T: 4006900926

E: Proteintech-CN@ptglab.com

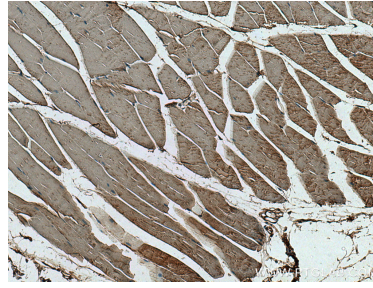
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66974-1-Ig (Hexokinase 2 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control. This data was developed using the same antibody clone with 66974-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 66974-1-Ig (Hexokinase 2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66974-1-PBS in a different storage buffer formulation.