

For Research Use Only

PDHB Monoclonal antibody, PBS Only



Catalog Number: 68238-1-PBS

Basic Information

Catalog Number: 68238-1-PBS	GenBank Accession Number: BC000439	Purification Method: Protein G purification
Size: 1 mg/ml	GeneID (NCBI): 5162	CloneNo.: 2A7C10
Source: Mouse	UNIPROT ID: P11177	
Isotype: IgG1	Full Name: pyruvate dehydrogenase (lipoamide) beta	
Immunogen Catalog Number: AG6857	Calculated MW: 39 kDa	
	Observed MW: 34 kDa	

Applications

Tested Applications:
WB, Indirect ELISA, IF

Species Specificity:
Human, Mouse, Rat, Rabbit, Pig

Background Information

PDHB (Pyruvate dehydrogenase E1 component subunit beta, mitochondrial) is also named PHE1B. The enzyme, which is found in mitochondria, is one of the component enzymes of the pyruvate dehydrogenase multi-enzyme complex (PDH). It catalyzes the first reaction of an oxidative decarboxylation sequence converting pyruvate to acetyl-CoA and CO₂ (PMID:3422424). Defects in PDHB are the cause of pyruvate dehydrogenase E1-beta deficiency (PDHBD) (PMID:15138885).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

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

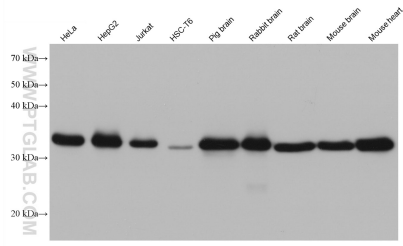
T: 4006900926

E: Proteintech-CN@ptglab.com

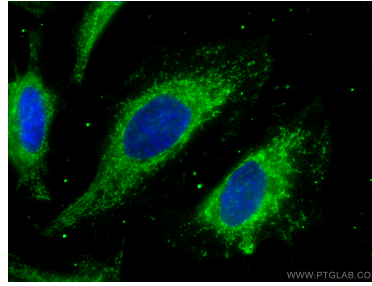
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68238-1-Ig (PDHB antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68238-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using PDHB antibody (68238-1-Ig, Clone: 2A7C10) at dilution of 1:800 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68238-1-PBS in a different storage buffer formulation.