

For Research Use Only

# OGDH Monoclonal antibody, PBS Only



Catalog Number: 66285-1-PBS

## Basic Information

Catalog Number: 66285-1-PBS	GenBank Accession Number: BC004964	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 4967	CloneNo.: 1H7A2
Source: Mouse	UNIPROT ID: Q02218	
Isotype: IgG2b	Full Name: oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)	
Immunogen Catalog Number: AG7484	Calculated MW: 116 kDa	
	Observed MW: 116 kDa	

## Applications

Tested Applications:  
WB, Indirect ELISA, IHC, IF

Species Specificity:  
human, rat

## Background Information

OGDH (2-oxoglutarate dehydrogenase, mitochondrial) is also named as OGDC-E1 and belongs to the alpha-ketoglutarate dehydrogenase family. It is one of the three enzymatic components of 2-oxoglutarate dehydrogenase complex, which catalyzes the overall conversion of 2-oxoglutarate to succinyl-CoA and CO<sub>2</sub>. This protein has 3 isoforms produced by alternative splicing.

## 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:

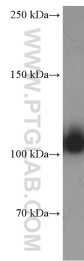
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

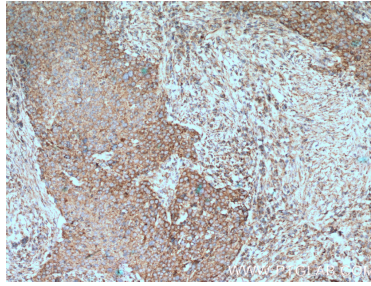
W: [ptgcn.com](http://ptgcn.com)

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

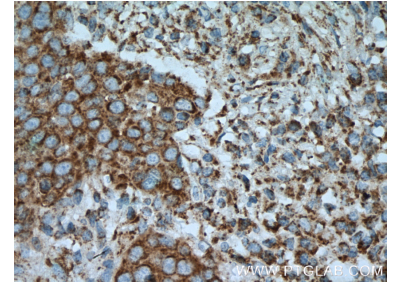
## Selected Validation Data



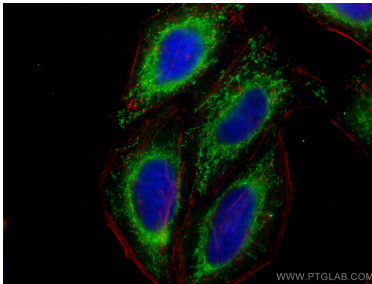
human heart tissue were subjected to SDS PAGE followed by western blot with 66285-1-Ig (OGDH Antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66285-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66285-1-Ig (OGDH Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66285-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66285-1-Ig (OGDH Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66285-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using OGDH antibody (66285-1-Ig, Clone: 1H7A2) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-phalloidin (red). This data was developed using the same antibody clone with 66285-1-PBS in a different storage buffer formulation.