

For Research Use Only

OGDH Monoclonal antibody

Catalog Number: 66285-1-Ig **2 Publications**



Basic Information

Catalog Number: 66285-1-Ig	GenBank Accession Number: BC004964	Purification Method: Protein A purification
Size: 1300 µg/ml	GeneID (NCBI): 4967	CloneNo.: 1H7A2
Source: Mouse	UNIPROT ID: Q02218	Recommended Dilutions: WB 1:1000-1:5000 IHC 1:50-1:500 IF 1:200-1:800
Isotype: IgG2b	Full Name: oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)	
Immunogen Catalog Number: AG7484	Calculated MW: 116 kDa	
	Observed MW: 116 kDa	

Applications

Tested Applications: IF/ICC, IHC, WB, ELISA	Positive Controls: WB : human heart tissue, ROS1728 cells IHC : human lung cancer tissue, IF : HepG2 cells,
Cited Applications: WB, IHC	
Species Specificity: human, rat	
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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 CO₂. This protein has 3 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Simone Kumstel	35452495	PLoS One	IHC
João Leandro	32160276	Hum Mol Genet	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

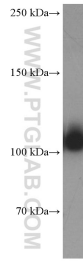
T: 4006900926

E: Proteintech-CN@ptglab.com

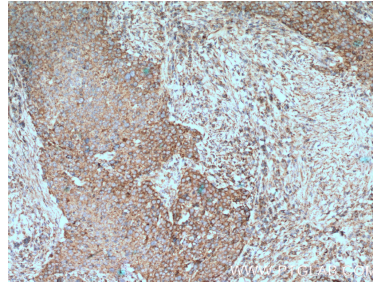
W: ptgcn.com

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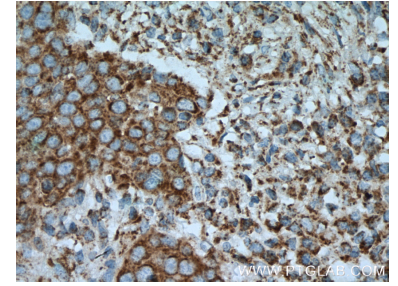
Selected Validation Data



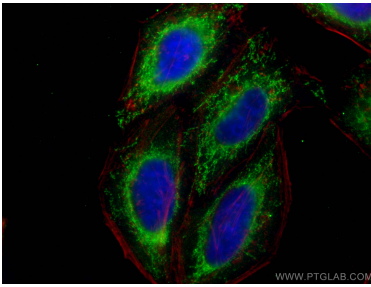
human heart tissue were subjected to SDS PAGE followed by western blot with 66285-1-Ig (OGDH Antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



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).



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).



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).