

For Research Use Only

OGDH Recombinant antibody

Catalog Number: 82773-1-RR



Basic Information

Catalog Number: 82773-1-RR	GenBank Accession Number: BC004964	Purification Method: Protein A purification
Size: 100ul , Concentration: 700 ug/ml by Nanodrop;	GeneID (NCBI): 4967	CloneNo.: 1C16
Source: Rabbit	UNIPROT ID: Q02218	Recommended Dilutions: WB 1:2000-1:14000 IHC 1:200-1:800 IF-P 1:50-1:500
Isotype: IgG	Full Name: oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)	
Immunogen Catalog Number: AG7368	Calculated MW: 116 kDa	
	Observed MW: 116 kDa	

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, rat heart tissue, A549 cells, NIH/3T3 cells, C6 cells

IHC : human intrahepatic cholangiocarcinoma tissue, mouse kidney tissue

IF-P : mouse kidney tissue,

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. This antibody is immunized with the C-terminal and can recognize the isoform 1 and 2 with the MW of 116 kDa.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

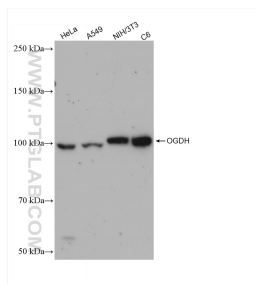
For technical support and original validation data for this product please contact:

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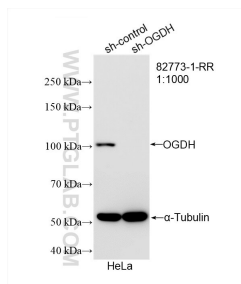
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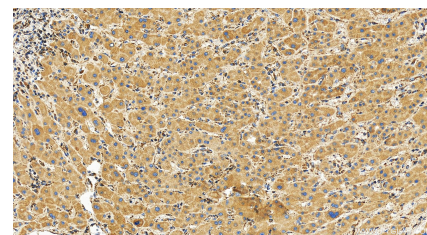
Selected Validation Data



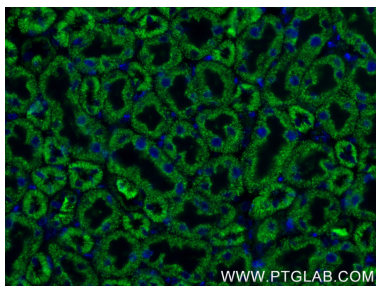
Various lysates were subjected to SDS PAGE followed by western blot with 82773-1-RR (OGDH antibody) at dilution of 1:7290 incubated at room temperature for 1.5 hours.



WB result of OGDH antibody (82773-1-RR; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-OGDH transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 82773-1-RR (OGDH antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse kidney tissue using OGDH antibody (82773-1-RR, Clone: 1C16) at dilution of 1:200 and Coralite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).