

For Research Use Only

# OGDH Recombinant antibody, PBS Only

Catalog Number: 82773-1-PBS



## Basic Information

<b>Catalog Number:</b> 82773-1-PBS	<b>GenBank Accession Number:</b> BC004964	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4967	<b>CloneNo.:</b> 1C16
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q02218	
<b>Isotype:</b> IgG	<b>Full Name:</b> oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)	
<b>Immunogen Catalog Number:</b> AG7368	<b>Calculated MW:</b> 116 kDa	
	<b>Observed MW:</b> 116 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF-P, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

OGDH(2-oxoglutarate dehydrogenase, mitochondrial) is also named as OGDH-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. 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 -80°C.

**Storage Buffer:**  
PBS Only

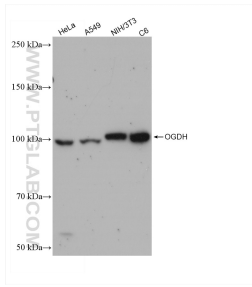
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

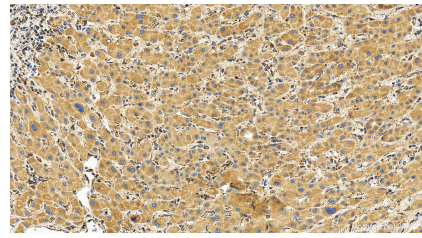
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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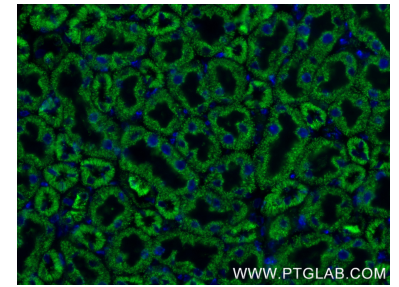
## Selected Validation Data



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. This data was developed using the same antibody clone with 82773-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 82773-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 82773-1-PBS in a different storage buffer formulation.