

For Research Use Only

# OGDH Recombinant antibody

Catalog Number: 82773-1-RR

Featured Product



## Basic Information

Catalog Number:

82773-1-RR

Concentration:

700 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7368

GenBank Accession Number:

BC004964

GeneID (NCBI):

4967

UNIPROT ID:

Q02218

Full Name:

oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)

Calculated MW:

116 kDa

Observed MW:

116 kDa

Purification Method:

Protein A purification

CloneNo.:

1C16

Recommended Dilutions:

WB 1:2000-1:14000

IHC 1:200-1:800

IF-P 1:50-1:500

## 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 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 -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

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

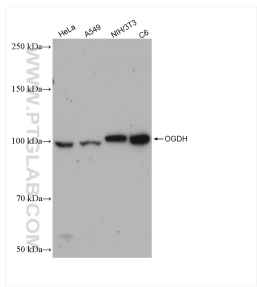
T: 4006900926

E: Proteintech-CN@ptglab.com

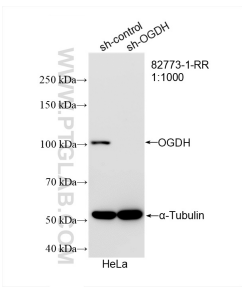
W: ptgcn.com

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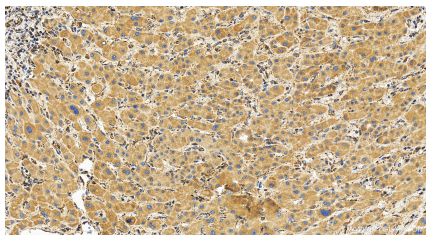
## Selected Validation Data



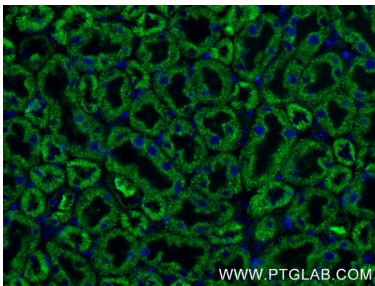
Various lysates were subjected to SDS PAGE followed by western blot with 82773-1-RR (OGDH antibody) at dilution of 1:7290 incubated at room temperature for 1.5 hours.



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).