

For Research Use Only

OGDH Polyclonal antibody

Catalog Number: 15212-1-AP

Featured Product

58 Publications



Basic Information

| | | |
|---|---|---|
| Catalog Number: 15212-1-AP | GenBank Accession Number: BC004964 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 400 µg/ml by Nanodrop; | GeneID (NCBI): 4967 | Recommended Dilutions: WB 1:5000-1:10000 IHC 1:50-1:500 IF 1:50-1:500 |
| Source: Rabbit | UNIPROT ID: Q02218 | |
| Isotype: IgG | Full Name: oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide) | |
| Immunogen Catalog Number: AG7368 | Calculated MW: 116 kDa | |
| | Observed MW: 116 kDa | |

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

CoIP, IF, IHC, IP, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, chicken, rat, sheep, mouse, rabbit

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: mouse heart tissue, A549 cells, mouse liver tissue, mouse pancreas tissue, ROS1728 cells, rat heart tissue, mouse lung tissue

IHC: human lung cancer tissue,

IF: HeLa cells, A549 cells

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.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|----------------|-----------|-----------------|-------------|
| Mengyuan Li | 34558014 | Virology | WB |
| Teresa W-M Fan | 36150727 | J Immunol | |
| Lifang Li | 36230229 | Animals (Basel) | 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

*** 20ul sizes contain 0.1% BSA

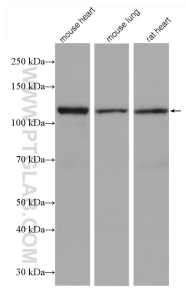
For technical support and original validation data for this product please contact:

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

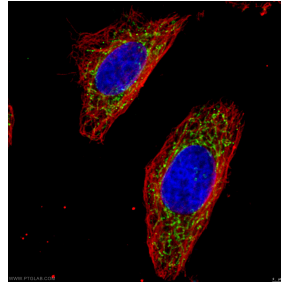
E: proteintech@ptglab.com
W: ptglab.com

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

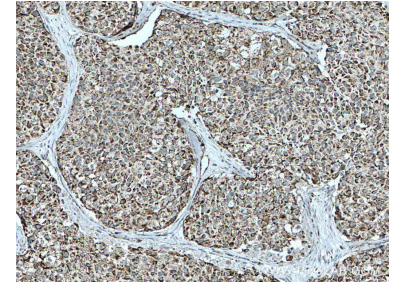
Selected Validation Data



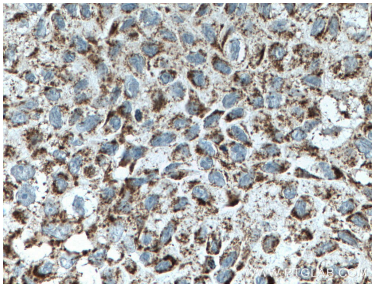
Various lysates were subjected to SDS PAGE followed by western blot with 15212-1-AP (OGDH antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



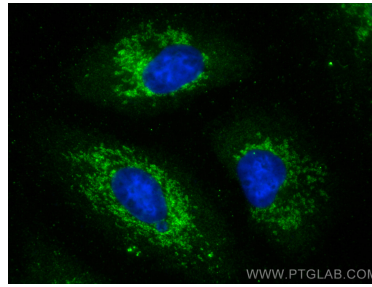
Immunofluorescent analysis of (4% PFA) fixed HeLa cells stained for OGDH rabbit pAb (15212-1-AP) at dilution of 1:50 and alpha Tubulin mouse mAb (66031-1-Ig) at dilution of 1:100, further stained with Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) for 15212-1-AP, and Alexa Fluor 594-conjugated AffiniPure Goat Anti-mouse IgG (H+L) for 66031-1-Ig. .



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 15212-1-AP (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 15212-1-AP (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 Methanol) fixed A549 cells using OGDH antibody (15212-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).