

For Research Use Only

OGDHL Polyclonal antibody

Catalog Number: 17110-1-AP

Featured Product

13 Publications



Basic Information

Catalog Number:

17110-1-AP

Size:

150ul, Concentration: 187 ug/ml by Nanodrop and 187 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10794

GenBank Accession Number:

BC026320

GeneID (NCBI):

55753

UNIPROT ID:

Q9ULDO

Full Name:

oxoglutarate dehydrogenase-like

Calculated MW:

1010 aa, 115 kDa

Observed MW:

115 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:2000-1:10000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:200-1:800

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

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: mouse brain tissue, mouse kidney tissue, rat brain tissue

IP: mouse brain tissue,

IHC: human liver tissue,

Background Information

OGDHL(oxoglutarate dehydrogenase-like) is also named as KGDE1KL, FLJ10851, KIAA1290 and belongs to the alpha-ketoglutarate dehydrogenase family. OGDHL is one of the rate-limiting component of the multienzyme OGDH complex (OGDHC) whose malfunction is associated with neuro-degeneration and it is localized only in the mitochondrial fraction and not in the cytosolic or nuclear fractions(PMID:23152800). OGDHL negatively regulates cell proliferation by inducing apoptosis in cervical cancer cells. It may thus participate in brain-specific control of 2-oxoglutarate distribution between energy production and synthesis of the neurotransmitter glutamate(PMID:18783430). It has 3 isoforms(114 kDa, 108 kDa, 91 kDa) produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Min Tang	31624233	Transl Psychiatry	WB
Mausam Patel	33330671	Front Cardiovasc Med	IHC
Zheng Yie Yap	34800363	Am J Hum 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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

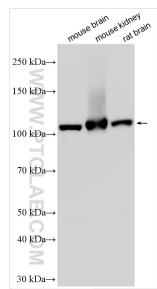
For technical support and original validation data for this product please contact:

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

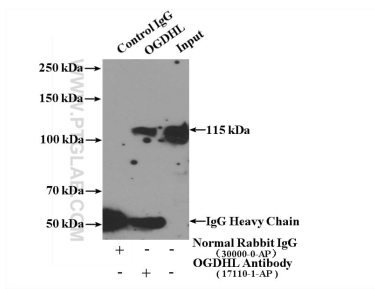
E: proteintech@ptglab.com
W: ptglab.com

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

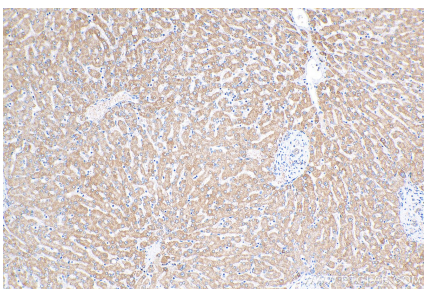
Selected Validation Data



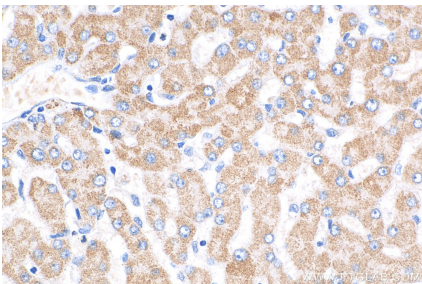
Various lysates were subjected to SDS PAGE followed by western blot with 17110-1-AP (OGDHL antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-OGDHL (IP:17110-1-AP, 4ug; Detection:17110-1-AP 1:500) with mouse brain tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 17110-1-AP (OGDHL antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 17110-1-AP (OGDHL antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).