

For Research Use Only

# OGDHL Polyclonal ANTIBODY



Catalog Number: 17110-1-AP

Featured Product

4 Publications

## Basic Information

**Catalog Number:**

17110-1-AP

**Size:**

150UL, Concentration: 187 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG10794

**GenBank Accession Number:**

BC026320

**GeneID (NCBI):**

55753

**Full Name:**

oxoglutarate dehydrogenase-like

**Calculated MW:**

1010 aa, 115 kDa

**Observed MW:**

115 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:3000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IHC 1:20-1:200

## Applications

**Tested Applications:**

IHC, IP, WB, ELISA

**Cited Applications:**

IF, IHC, WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, 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 kidney tissue, mouse brain tissue

IP: mouse brain tissue,

IHC: human brain 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 multi-enzyme 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
Sen Tanusree T	23152800	PLoS One	IF
Arpad Dobolyi	31982949	Brain Struct Funct	WB,IHC

## 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

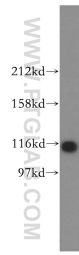
For technical support and original validation data for this product please contact:

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

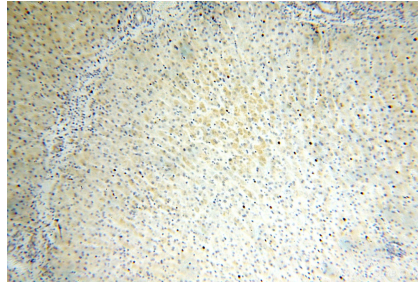
E: proteintech@ptglab.com  
W: ptglab.com

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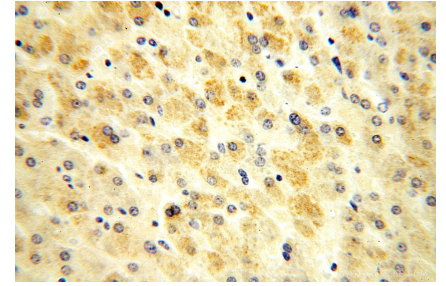
## Selected Validation Data



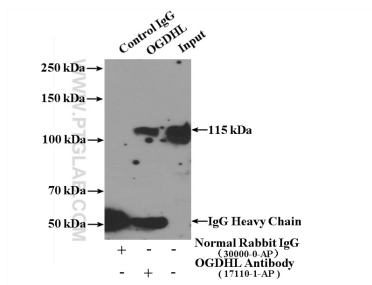
mouse kidney tissue were subjected to SDS PAGE followed by western blot with 17110-1-AP (OGDHL antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain using 17110-1-AP (OGDHL antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 17110-1-AP (OGDHL antibody) at dilution of 1:100 (under 40x lens).



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