

For Research Use Only

# OXA1L Monoclonal antibody

Catalog Number: 66128-1-Ig

Featured Product

4 Publications



## Basic Information

**Catalog Number:**

66128-1-Ig

**Size:**

820 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG13819

**GenBank Accession Number:**

BC001669

**GeneID (NCBI):**

5018

**UNIPROT ID:**

Q15070

**Full Name:**

oxidase (cytochrome c) assembly 1-like

**Calculated MW:**

437 aa, 49 kDa

**Observed MW:**

42 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

4A2D9

**Recommended Dilutions:**

WB 1:5000-1:50000

IHC 1:20-1:200

## Applications

**Tested Applications:**

IHC, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse

**Cited Species:**

human, mouse

**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 : T-47D cells, NIH/3T3 cells, HEK-293 cells, HeLa cells, HepG2 cells, LO2 cells, Jurkat cells

IHC : human brain tissue,

## Background Information

OXA1L/Oxa1 is a member of the conserved Oxa1/YidC/Alb3 protein family and is required for cytochrome c oxidase assembly. The OXA1L protein was initially identified in yeast proteins involved in the biogenesis of the mitochondrial respiratory chain complexes. It locates in the inner membrane of mitochondria and may be involved in mediating the insertion of proteins from the matrix into the inner membrane.

## Notable Publications

Author	Pubmed ID	Journal	Application
Luis Daniel Cruz-Zaragoza	34672953	Cell	WB
Ricarda Richter-Dennerlein	27693358	Cell	WB
Horia Vais	26774479	Cell Rep	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

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

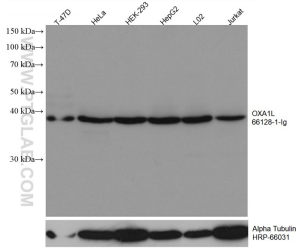
T: 4006900926

E: Proteintech-CN@ptglab.com

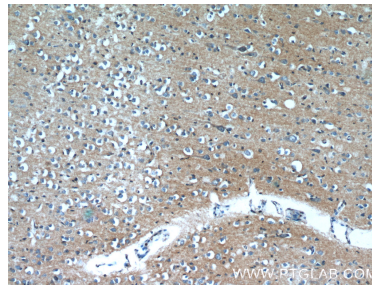
W: ptgcn.com

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

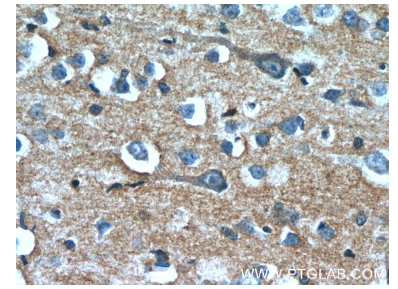
## Selected Validation Data



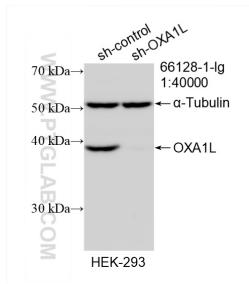
Various lysates were subjected to SDS PAGE followed by western blot with 66128-1-Ig (OXA1L antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



Immunohistochemical analysis of paraffin-embedded human brain slide using 66128-1-Ig (OXA1L Antibody) at dilution of 1:50.



Immunohistochemical analysis of paraffin-embedded human brain slide using 66128-1-Ig (OXA1L Antibody) at dilution of 1:50.



WB result of OXA1L antibody (66128-1-Ig; 1:40000; incubated at room temperature for 1.5 hours) with sh-Control and sh-OXA1L transfected HEK-293 cells.