

For Research Use Only

OXA1L Monoclonal antibody

Catalog Number: 66128-1-Ig

Featured Product

4 Publications



Basic Information

Catalog Number:

66128-1-Ig

Size:

150ul, Concentration: 820 ug/ml by Bradford method using BSA as the standard;

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:

WB, IHC, 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, L02 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

*** 20ul sizes contain 0.1% BSA

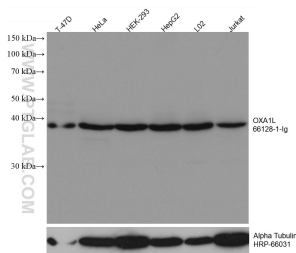
For technical support and original validation data for this product please contact:

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

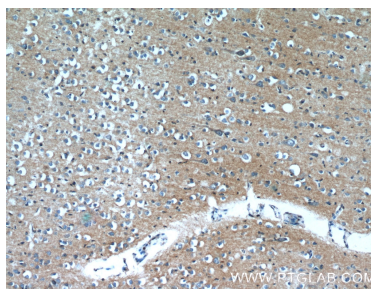
E: proteintech@ptglab.com
W: ptglab.com

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

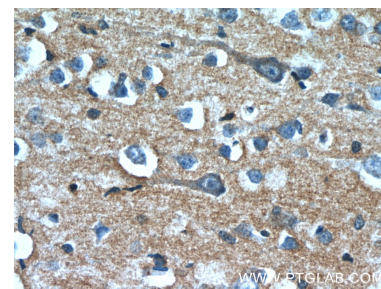
Selected Validation Data



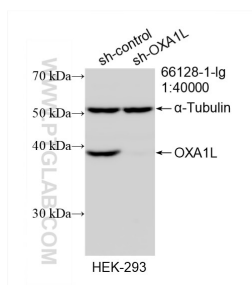
Various lysates were subjected to SDS PAGE followed by western blot with 66128-1-Ig (OXA1L antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



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.