

For Research Use Only

ENO1 Polyclonal antibody

Catalog Number: 55237-1-AP **1 Publications**



Basic Information

Catalog Number:

55237-1-AP

Size:

150UL, Concentration: 293 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001428

GeneID (NCBI):

2023

Full Name:

enolase 1, (alpha)

Calculated MW:

47 kDa

Observed MW:

47 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

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

IHC 1:20-1:200

IF 1:20-1:200

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

IP, WB

Species Specificity:

human, mouse, rat

Cited Species:

human

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: HeLa cells, HepG2 cells, mouse brain tissue, mouse liver tissue

IP: mouse brain tissue,

IHC: human brain tissue, human pancreas tissue, human skeletal muscle tissue

IF: HepG2 cells,

Background Information

ENO1, also named as NNE, ENO1L1, MBPB1, MPB1 and MBP1, belongs to the enolase family. It is a multifunctional enzyme that, as well as its role in glycolysis, plays a part in various processes such as growth control, hypoxia tolerance and allergic responses. ENO1 may also function in the intravascular and pericellular fibrinolytic system due to its ability to serve as a receptor and activator of plasminogen on the cell surface of several cell-types such as leukocytes and neurons. It stimulates immunoglobulin production. (PMID:2005901). This antibody is specific to ENO1. It has no cross reaction to ENO2 and ENO3.

Notable Publications

Author	Pubmed ID	Journal	Application
Guang Yang	33372411	EMBO Rep	WB,IP

Storage

Storage:

Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

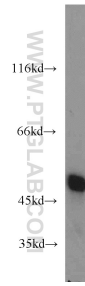
For technical support and original validation data for this product please contact:

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

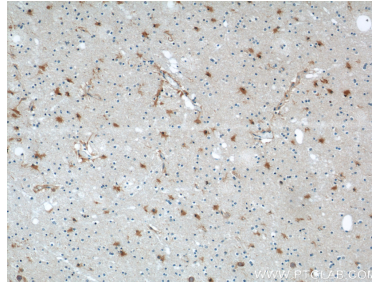
E: proteintech@ptglab.com
W: ptglab.com

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

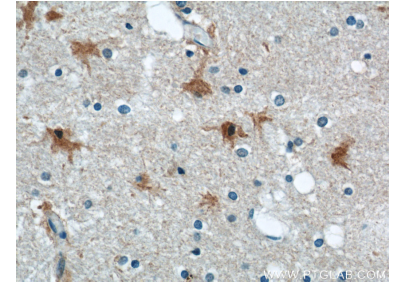
Selected Validation Data



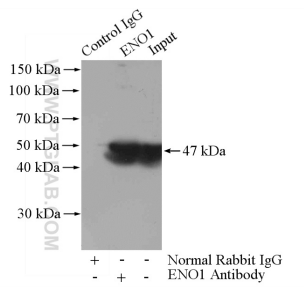
HeLa cells were subjected to SDS PAGE followed by western blot with 55237-1-AP (ENO1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



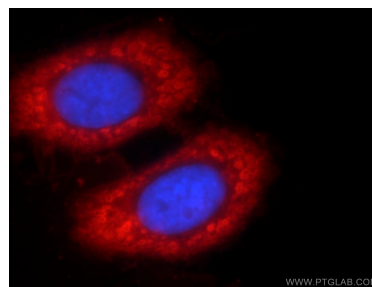
Immunohistochemical analysis of paraffin-embedded human brain using 55237-1-AP (ENO1 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 55237-1-AP (ENO1 antibody) at dilution of 1:100 (under 40x lens).



IP Result of anti-ENO1 (IP:55237-1-AP, 4ug; Detection:55237-1-AP 1:500) with mouse brain tissue lysate 4000ug.



Immunofluorescent analysis of HepG2 cells using 55237-1-AP (ENO1 antibody) at dilution of 1:50 and Rhodamine-Goat anti-Rabbit IgG.