

For Research Use Only

ENOPH1 Polyclonal antibody

Catalog Number: 17731-1-AP

1 Publications



Basic Information

Catalog Number:

17731-1-AP

Size:

150ul, Concentration: 260 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12131

GenBank Accession Number:

BC065815

GeneID (NCBI):

58478

UNIPROT ID:

Q9UHY7

Full Name:

enolase-phosphatase 1

Calculated MW:

261 aa, 29 kDa

Observed MW:

29-35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

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 : HL-60 cells, K-562 cells, L02 cells, mouse liver tissue, rat liver tissue

IHC : human liver cancer tissue, human colon cancer tissue

IF/ICC : U-251 cells,

Background Information

ENOPH1, also named as MASA and MSTP145, belongs to the HAD-like hydrolase superfamily and MasA/MtnC family. ENOPH1 is a newly identified enzyme involved in L-methionine biosynthesis, which is associated with anxiety and depression. Studies have shown that ENOPH1 plays a crucial role in promoting the proliferation and migration of glioma cells (PMID: 32654229). ENOPH1 has 2 isoforms with the molecular mass of 13 and 29 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Dexin Yang	37075968	Exp Neurol	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

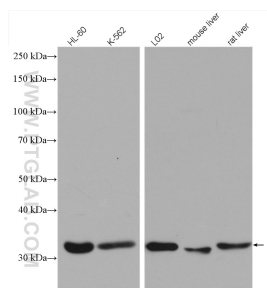
For technical support and original validation data for this product please contact:

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

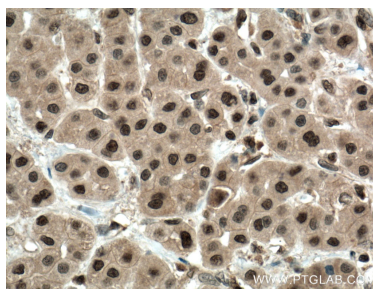
E: proteintech@ptglab.com
W: ptglab.com

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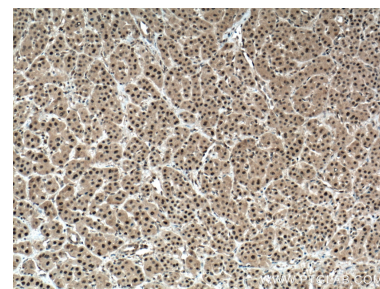
Selected Validation Data



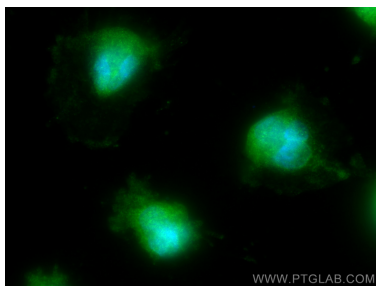
Various lysates were subjected to SDS PAGE followed by western blot with 17731-1-AP (ENOPH1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 17731-1-AP (ENOPH1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 17731-1-AP (ENOPH1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed U-251 cells using ENOPH1 antibody (17731-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).