

For Research Use Only

GOT1 Polyclonal antibody

Catalog Number: 14886-1-AP

Featured Product

39 Publications



Basic Information

Catalog Number:

14886-1-AP

Size:

150ul, Concentration: 487 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6671

GenBank Accession Number:

BC000498

GeneID (NCBI):

2805

UNIPROT ID:

P17174

Full Name:

glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)

Calculated MW:

46 kDa

Observed MW:

43-46 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, pig

Positive Controls:

WB : HepG2 cells, L02 cells, mouse brain, rat brain

IP : mouse brain tissue,

IF/ICC : L02 cells,

Background Information

Glutamate oxaloacetate transaminase 1 (GOT1) catalyzes the reversible reaction of L-aspartate and alpha-ketoglutarate into oxaloacetate and L-glutamate and plays a key role in carbon and nitrogen metabolism. GOT1 can potentially control the intracellular levels of reactive oxygen species (ROS) through NADPH synthesis and enhances tumor growth. GOT1 expression correlates with the growth of several tumors.

Notable Publications

Author	Pubmed ID	Journal	Application
Florinda Meléndez-Rodríguez	30811976	Cell Rep	WB
Liping Yu	36272463	Biochim Biophys Acta Bioenerg	WB
Weiwei Dai	36256480	J Clin Invest	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

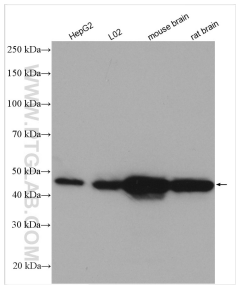
For technical support and original validation data for this product please contact:

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

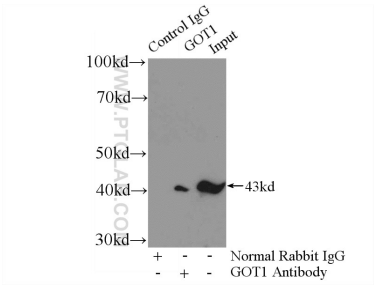
E: proteintech@ptglab.com
W: ptglab.com

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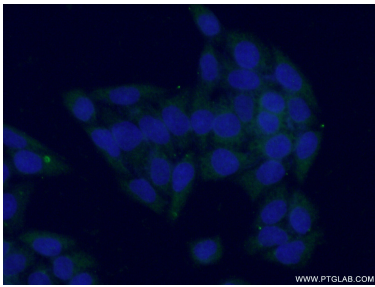
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14886-1-AP (GOT1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-GOT1 (IP:14886-1-AP, 4ug; Detection:14886-1-AP 1:1000) with mouse brain tissue lysate 4000ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed L02 cells using 14886-1-AP (GOT1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).