

For Research Use Only

GPT/ ALT1 Polyclonal antibody

Catalog Number: 16897-1-AP

6 Publications



Basic Information

Catalog Number:

16897-1-AP

Size:

150ul , Concentration: 400 µg/ml by Nanodrop and 266 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10424

GenBank Accession Number:

BC018207

GeneID (NCBI):

2875

Full Name:

glutamic-pyruvate transaminase (alanine aminotransferase)

Calculated MW:

496 aa, 55 kDa

Observed MW:

50-55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

Applications

Tested Applications:

IP, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : mouse liver tissue, rat liver tissue

IP : L02 cells,

Background Information

GPT, also known as ALT1 (glutamate-pyruvate transaminase 1), catalyzes the reversible transamination between alanine and 2-oxoglutarate to generate pyruvate and glutamate and, therefore, plays a key role in the intermediary metabolism of glucose and amino acids. Serum activity levels of this enzyme are routinely used as a biomarker of liver injury caused by drug toxicity, infection, alcohol, and steatosis. A related gene on chromosome 16 encodes a putative mitochondrial alanine aminotransaminase.

Notable Publications

Author	Pubmed ID	Journal	Application
Shizhen Qin	27575953	J Proteome Res	WB
Shuaiwei Wang	33293898	Mediators Inflamm	WB
Xiaoxiao Cai	32627968	Cancer Med	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

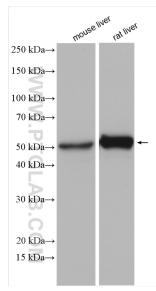
For technical support and original validation data for this product please contact:

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

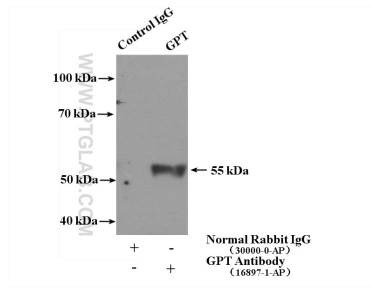
E: proteintech@ptglab.com
W: ptglab.com

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 16897-1-AP (GPT antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP Result of anti-GPT (IP:16897-1-AP, 4ug; Detection:16897-1-AP 1:500) with L02 cells lysate 1800ug.