

For Research Use Only

GPT/ALT1 Monoclonal antibody, PBS Only



Catalog Number: 67531-1-PBS

Basic Information

Catalog Number: 67531-1-PBS	GenBank Accession Number: BC018207	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 2875	CloneNo.: 5F6B5
Source: Mouse	UNIPROT ID: P24298	
Isotype: IgG1	Full Name: glutamic-pyruvate transaminase (alanine aminotransferase)	
Immunogen Catalog Number: AG10453	Calculated MW: 496 aa, 55 kDa	
	Observed MW: 52 kDa	

Applications

Tested Applications:
WB, IF, Indirect ELISA

Species Specificity:
Human, Pig, rat, mouse

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.

Storage

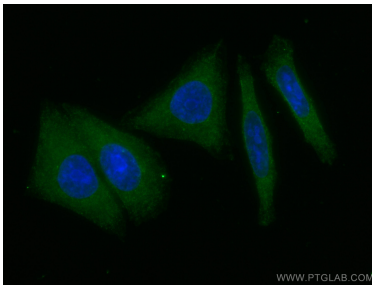
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

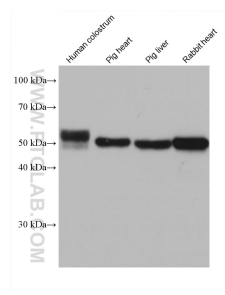
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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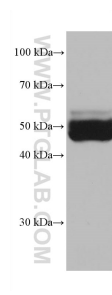
Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using GPT antibody (67531-1-Ig, Clone: 5F6B5) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67531-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 67531-1-Ig (GPT/ALT1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67531-1-PBS in a different storage buffer formulation.



mouse liver tissue were subjected to SDS PAGE followed by western blot with 67531-1-Ig (GPT/ALT1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67531-1-PBS in a different storage buffer formulation.