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Anti-GPT/ALT1 Antibody

Catalog # ABV12002

Product Information

Application	WB, IHC
Primary Accession	P24298
Reactivity	Human, Mouse, Rat
Host	Rabbit
Isotype	Rabbit IgG
Calculated MW	54637

Additional Information

Gene ID	2875
Positive Control	IHC: human liver and kidney tissue sections; WB: U87-MG cell line, mouse liver and rat heart and liver tissue lysates
Application & Usage	IHC: 1:100; WB: 1:1000
Other Names	Alanine aminotransferase 1, ALT1, Glutamate pyruvate transaminase 1, GPT 1, Glutamic--alanine transaminase 1, Glutamic--pyruvic transaminase 1, GPT, AAT1, GPT1
Target/Specificity	GPT
Antibody Form	Liquid
Appearance	Colorless liquid
Handling	The antibody solution should be gently mixed before use
Reconstitution & Storage	-20°C
Background Descriptions	
Precautions	Anti-GPT/ALT1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GPT {ECO:0000303|PubMed:9119391, ECO:0000312|HGNC:HGNC:4552}
Function	Pyridoxal enzyme tha catalyzes the reversible transamination between alanine and 2-oxoglutarate to form pyruvate and glutamate (PubMed:11863375). By mediating the conversion of these four major intermediate metabolites, plays an important role in gluconeogenesis and amino acid metabolism (PubMed:11863375).
Cellular Location	Cytoplasm.

Tissue Location	Liver, kidney, heart, and skeletal muscles. Expressed at moderate levels in the adipose tissue

Images

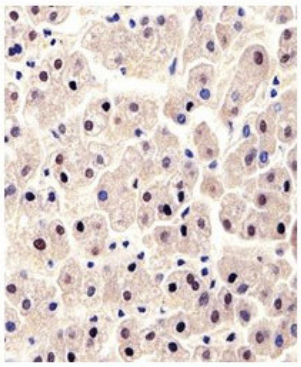


Fig. A. Immunohistochermical analysis of paraffin-embedded human liver section using Anti-GPTyALTI Antibody

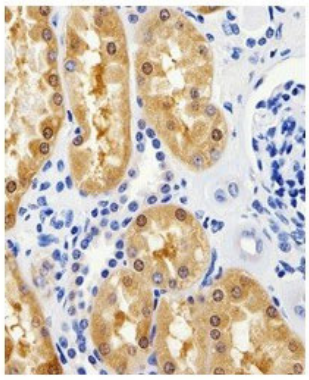


Fig. B. Immunohistochemical analysis of paraffin-embedded human kidney section using Anti-GPT/ALT1 Antibody

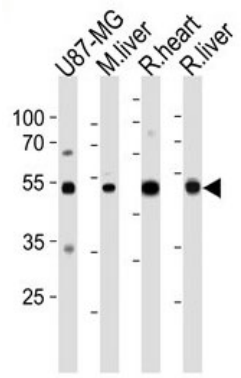


Fig. C. WB analysis of GPT1/ALT1 Antibody in U87-MG cell line, mouse liver and rat heart and liver tissue lysates (35ug/lane)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.