



Anti-GPT (native protein) polyclonal antibody (DPAB-DC1448)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes cytosolic alanine aminotransaminase 1 (ALT1); also known as glutamate-pyruvate transaminase 1. This enzyme 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.[provided by RefSeq, Nov 2009]
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Immunogen	Native purified GPT from pig heart.
Isotype	IgG
Source/Host	Sheep
Species Reactivity	Pig
Conjugate	Unconjugated
Applications	WB, ELISA,
Format	Lyophilized
Size	100 µg
Buffer	Lyophilized from 20 mM potassium phosphate buffer, 150 mM NaCl, pH 7.2 (0.01% sodium azide)
Preservative	0.01% Sodium Azide
Storage	Store at 4°C on dry atmosphere. After reconstitution with 0.1 mL of deionized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	GPT glutamic-pyruvate transaminase (alanine aminotransferase) [Homo sapiens (human)]
Official Symbol	GPT
Synonyms	GPT; glutamic-pyruvate transaminase (alanine aminotransferase); AAT1; ALT1; GPT1; alanine aminotransferase 1; GPT 1; glutamic-alanine transaminase 1; glutamic--alanine transaminase 1; glutamic--pyruvic transaminase 1; glutamate pyruvate transaminase 1;
Entrez Gene ID	2875
Protein Refseq	NP_005300
UniProt ID	P24298
Chromosome Location	8q24.3
Pathway	2-Oxocarboxylic acid metabolism; Alanine and aspartate metabolism; Alanine, aspartate and glutamate metabolism; Biosynthesis of amino acids
Function	L-alanine:2-oxoglutarate aminotransferase activity; pyridoxal phosphate binding;