

GPT

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:200 - 1:1000 IHC 1:50 - 1:100

Calculated MW: 55kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human GPT

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

AAT1; ALT1; GPT1;

Catalog #: A2814

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 2875

Isotype: IgG

Swiss Prot: P24298

Purity: Affinity purification

For research use only.

Background:

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.

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