

## 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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