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GPT Antibody (N-term P101)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7468a

Specification

GPT Antibody (N-term P101) - Product Information

Application	**IHC-P, FC,E**
Primary Accession	P24298
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**86-112**

GPT Antibody (N-term P101) - Additional Information

Gene ID 2875

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
This GPT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 86-112 amino acids from the N-terminal region of human GPT.

Dilution
IHC-P~~1:10~50
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
GPT Antibody (N-term P101) is for research use only and not for use in diagnostic or therapeutic procedures.

GPT Antibody (N-term P101) - Protein Information

Name GPT

Synonyms AAT1, GPT1

Function Catalyzes the reversible transamination between alanine and 2-oxoglutarate to form pyruvate and glutamate. Participates in cellular nitrogen metabolism and also in liver gluconeogenesis starting with precursors transported from skeletal muscles (By similarity).

Cellular Location
Cytoplasm.

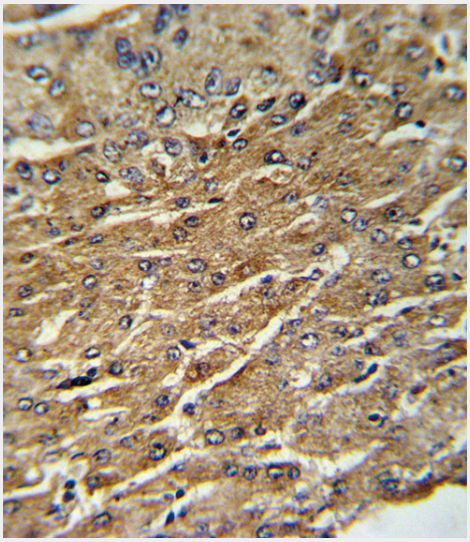
Tissue Location
Liver, kidney, heart, and skeletal muscles. Expressed at moderate levels in the adipose tissue

GPT Antibody (N-term P101) - Protocols

Provided below are standard protocols that you may find useful for product applications.

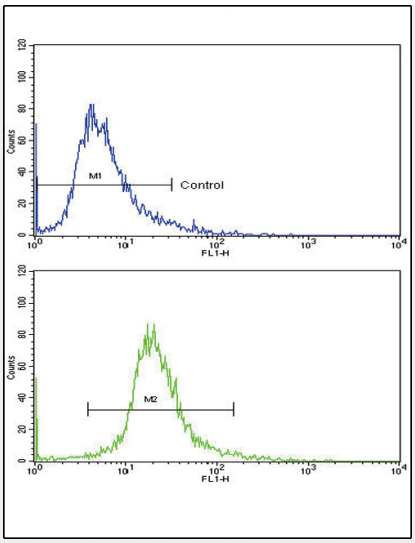
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GPT Antibody (N-term P101) - Images



Formalin-fixed and paraffin-embedded human hepatocarcinoma with GPT Antibody (N-term P101), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

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Flow cytometric analysis of 293 cells using GPT Antibody (N-term P101)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

GPT Antibody (N-term P101) - Background

GPT(Glutamate-pyruvate transaminase), also known as alanine aminotransferase, catalyzes the reversible conversion of L-alanine and alpha-ketoglutarate to L-glutamate and pyruvate. This protein has 2 distinct molecular and genetic forms: one cytoplasmic (soluble) (GPT1) and one mitochondrial (GPT2). See ALTQTL1 and ALTQTL2 for information on quantitative trait loci influencing the plasma level of alanine aminotransferase.

GPT Antibody (N-term P101) - References

Yang R.-Z., Blaileanu G.Genomics 79:445-450(2002)
Ishiguro M., Takio K.Biochemistry 30:10451-10457(1991)