

GPT Antibody (N-term R133) Blocking Peptide

Synthetic peptide
Catalog # BP7468b

Specification

GPT Antibody (N-term R133) Blocking Peptide - Product Information

Primary Accession [P24298](#)

GPT Antibody (N-term R133) Blocking Peptide - 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

The synthetic peptide sequence used to generate the antibody [AP7468b](/products/AP7468b) was selected from the N-term region of human GPT. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GPT Antibody (N-term R133) Blocking Peptide - 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 R133) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GPT Antibody (N-term R133) Blocking Peptide - Images

GPT Antibody (N-term R133) Blocking Peptide - 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 R133) Blocking Peptide - References

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