

**GPT Antibody (N-term R133) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7468b****Specification**

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**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)