

GPT polyclonal antibody

Catalog # PAB28097

Size 100 ug

Specification

Product Description	Sheep polyclonal antibody raised against native GPT (Pig).
Immunogen	Native purified GPT from pig heart.
Host	Sheep
Reactivity	Pig
Specificity	Cross reactivity against alanine transaminase from other sources is unknown.
Form	Lyophilized
Purification	This is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated in Storage Buffer.
Purity	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-sheep serum as well as purified and partially purified alanine transaminase [pig heart].
Isotype	IgG
Quality Control Testing	Antibody Reactive Against Native Purified Protein.
Recommend Usage	ELISA (1:5000 - 1:25000) Western Blot (1:500-1:3000) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 20 mM potassium phosphate buffer, 150 mM NaCl, pH 7.2 (0.01% sodium azide).
Storage Instruction	Store at 4°C on dry atmosphere. After reconstitution with 0.1 mL of deionized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay

Gene Info — GPT

Entrez GeneID [2875](#)

Protein Accession# [P13191](#)

Gene Name GPT

Gene Alias AAT1, ALT1, GPT1

Gene Description glutamic-pyruvate transaminase (alanine aminotransferase)

Omim ID [138200](#)

Gene Ontology [Hyperlink](#)

Gene Summary Glutamate-pyruvate transaminase (EC 2.6.1.2), also known as alanine aminotransferase, catalyzes the reversible conversion of L-alanine and alpha-ketoglutarate to L-glutamate and pyruvate. It has 2 distinct molecular and genetic forms: one cytoplasmic (soluble) (GPT1) and one mitochondrial (GPT2; MIM 138210). See ALTQTL1 (MIM 612363) and ALTQTL2 (MIM 612364) for information on quantitative trait loci influencing the plasma level of alanine aminotransferase.[supplied by OMIM]

Other Designations alanine aminotransferase

Pathway

- [Alanine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Carbon fixation in photosynthetic organisms](#)
- [Metabolic pathways](#)