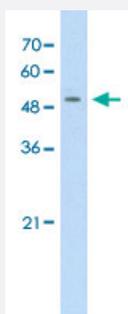


# GPT polyclonal antibody

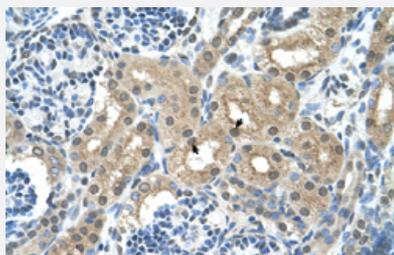
Catalog # PAB30111      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western Blot analysis of Jurkat cell lysate with GPT polyclonal antibody (Cat # PAB30111) at 2.5 ug/mL working concentration.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with GPT polyclonal antibody (Cat # PAB30111) at 4-8 ug/mL working concentration.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of human GPT.
<b>Immunogen</b>	A synthetic peptide corresponding to N-terminus of human GPT.
<b>Sequence</b>	FLRQVLALCVNPDLLSSPNFPDDAKKRAERILQACGGHSLGAYSVSSGIQ
<b>Host</b>	Rabbit
<b>Theoretical MW (kDa)</b>	55
<b>Reactivity</b>	Human
<b>Form</b>	Liquid

<b>Purification</b>	Protein A purification
<b>Recommend Usage</b>	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (4-8 ug/mL) Western Blot (2.5 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (2% sucrose, 0.09% sodium azide).
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

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Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with GPT polyclonal antibody (Cat # PAB30111) at 4-8 ug/mL working concentration.

## Gene Info — GPT

<b>Entrez GeneID</b>	<a href="#">2875</a>
<b>GeneBank Accession#</b>	<a href="#">NM_005309</a>
<b>Protein Accession#</b>	<a href="#">NP_005300;P24298</a>
<b>Gene Name</b>	GPT
<b>Gene Alias</b>	AAT1, ALT1, GPT1
<b>Gene Description</b>	glutamic-pyruvate transaminase (alanine aminotransferase)
<b>Omim ID</b>	<a href="#">138200</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>

**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](#)