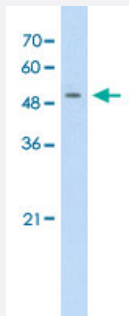


GPT polyclonal antibody

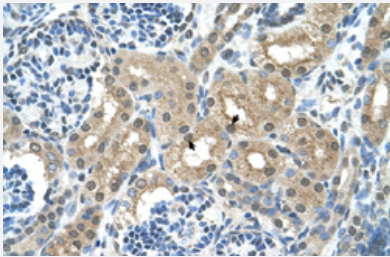
Catalog # PAB30111 Size 100 uL

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

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

Purification	Protein A purification
Recommend Usage	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.
Storage Buffer	In PBS (2% sucrose, 0.09% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	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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Gene Info — GPT

Entrez GeneID	2875
GeneBank Accession#	NM_005309
Protein Accession#	NP_005300;P24298
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](#)