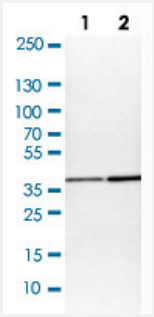
GOT2 polyclonal antibody

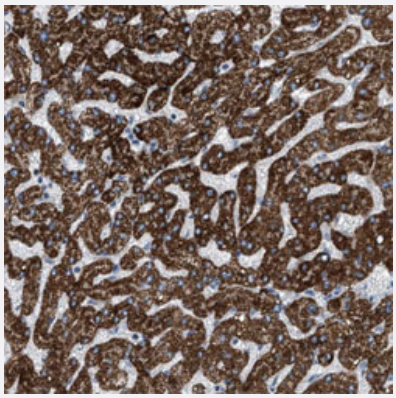
Catalog # PAB31598 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of (1) NIH-3T3 cell lysate (Mouse embryonic fibroblast cells) and (2) NBT-II cell lysate (Rat Wistar bladder tumour cells).



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

Immunohistochemical staining of human liver shows strong positivity in hepatocytes.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human GOT2.
Immunogen	Recombinant protein corresponding to human GOT2.
Sequence	GFASGDGDKDAWAVRHFIEQGINVCLCQSYAKNMGLYGERVGAFTMVCKDADEAKRVESQLKILI RPMYSNPPLNGARIAAAILNTPDLRKQWLQEVKGMADRIIGMRTQLVSNLKKEGSTHNWQHITDQI GMFCFTGLKPEQVER
Host	Rabbit
Reactivity	Human, Mouse, Rat

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-500) Western Blot (1:100-250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% 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 shoul d be handled by trained staff only.

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Gene Info — GOT2

Entrez GeneID	2806
Protein Accession#	P00505
Gene Name	GOT2
Gene Alias	FLJ40994, KAT4, KATIV, mitAAT
Gene Description	glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)
Omim ID	138150
Gene Ontology	Hyperlink

Gene Summary	Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme which exists in c ytoplasmic and inner-membrane mitochondrial forms, GOT1 and GOT2, respectively. GOT plays a role in amino acid metabolism and the urea and tricarboxylic acid cycles. The two enzymes are homodimeric and show close homology. [provided by RefSeq
Other Designations	aspartate aminotransferase 2|kynurenine aminotransferase IV

Pathway

- Alanine
- Arginine and proline metabolism
- Biosynthesis of alkaloids derived from ornithine
- Biosynthesis of phenylpropanoids
- Biosynthesis of plant hormones
- Carbon fixation in photosynthetic organisms
- Cysteine and methionine metabolism
- Isoquinoline alkaloid biosynthesis
- Metabolic pathways
- Novobiocin biosynthesis
- Phenylalanine
- Phenylalanine metabolism
- Tyrosine metabolism