

**Goat anti-GOT1 (aa 157-167), Biotinylated Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF4432a

### Specification

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#### Goat anti-GOT1 (aa 157-167), Biotinylated Antibody - Product Information

Application	WB, IHC, Pep-ELISA
Primary Accession	<a href="#">P17174</a>
Other Accession	<a href="#">NP_002070.1</a>
Reactivity	Human, Rat
Host	Goat
Clonality	Polyclonal
Calculated MW	46248

#### Goat anti-GOT1 (aa 157-167), Biotinylated Antibody - Additional Information

Gene ID 2805

#### Other Names

GOT1; glutamic-oxaloacetic transaminase 1; AST1; ASTQTL1; GIG18; cAspAT; cCAT; aspartate aminotransferase 1; aspartate transaminase 1; cysteine aminotransferase, cytoplasmic; cysteine transaminase, cytoplasmic; glutamate oxaloacetate transaminase 1; gluta

#### Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

Goat anti-GOT1 (aa 157-167), Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### Goat anti-GOT1 (aa 157-167), Biotinylated Antibody - Protein Information

Name GOT1 ([HGNC:4432](#))

#### Function

Biosynthesis of L-glutamate from L-aspartate or L-cysteine (PubMed:<a href="http://www.uniprot.org/citations/21900944" target="\_blank">21900944</a>). Important regulator of levels of glutamate, the major excitatory neurotransmitter of the vertebrate central nervous system. Acts as a scavenger of glutamate in brain neuroprotection. The aspartate aminotransferase activity is involved in hepatic glucose synthesis during development and in adipocyte glyceroneogenesis. Using L-cysteine as substrate, regulates levels of mercaptopyruvate, an important source of hydrogen sulfide. Mercaptopyruvate is converted into H(2)S via the action

of 3-mercaptopyruvate sulfurtransferase (3MST). Hydrogen sulfide is an important synaptic modulator and neuroprotectant in the brain. In addition, catalyzes (2S)-2- aminobutanoate, a by-product in the cysteine biosynthesis pathway (PubMed:<a href="http://www.uniprot.org/citations/27827456" target="\_blank">27827456</a>).

**Cellular Location**

Cytoplasm.

**Goat anti-GOT1 (aa 157-167), Biotinylated Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat anti-GOT1 (aa 157-167), Biotinylated Antibody - Images**