

Anti-GOT1 Antibody
Catalog # ABV12003**Specification**

Anti-GOT1 Antibody - Product Information

Application	WB
Primary Accession	P17174
Reactivity	Human, Rat
Host	Rabbit
Isotype	Rabbit IgG
Calculated MW	46248

Anti-GOT1 Antibody - Additional Information**Gene ID** 2805

Positive Control	WB: Jurkat, A549, PC12, H9C2 whole cell lysates.
Application & Usage	WB; 1:500 - 1:1000
Other Names	
Aspartate aminotransferase cytoplasmic; cAspAT; Cysteine aminotransferase cytoplasmic; Cysteine transaminase cytoplasmic; cCAT; Glutamate oxaloacetate transaminase 1; Transaminase A	

Target/Specificity
GOT1**Antibody Form**
Liquid**Appearance**
Colorless liquid**Handling**
The antibody solution should be gently mixed before use**Reconstitution & Storage**
-20°C**Background Descriptions****Precautions**
Anti-GOT1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**Anti-GOT1 Antibody - Protein Information**

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

Function

Biosynthesis of L-glutamate from L-aspartate or L-cysteine (PubMed:21900944). 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 H₂S 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:27827456).

Cellular Location

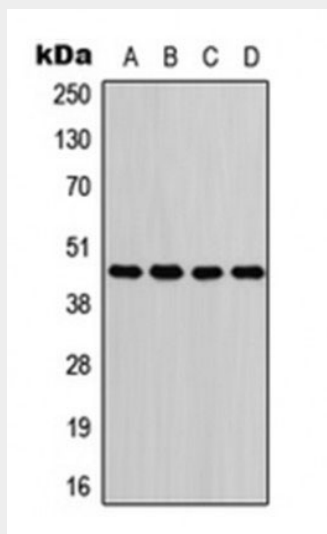
Cytoplasm.

Anti-GOT1 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](#)

Anti-GOT1 Antibody - Images



WB analysis of GOT1 expression in Jurkat (A), A549(B) □PC12 (C), H9C2 (D) whole cell lysate