

Anti-GOT1 Antibody

Catalog # ABV12003

Product Information

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

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.

Protein Information

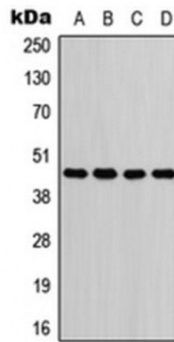
Name	GOT1 (HGNC:4432)
Function	Biosynthesis of L-glutamate from L-aspartate or L-cysteine (PubMed: 21900944). Important regulator of levels of glutamate, the major excitatory neurotransmitter of the vertebrate central nervous system. Acts as a scavenger of glutamate in brain neuroprotection. The aspartate 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 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:[27827456](#)).

Cellular Location

Cytoplasm.

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.