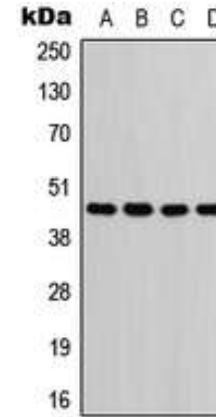


Anti-GOT1 Antibody

CATALOG NO:	A1272-100
ALTERNATIVE NAMES:	Aspartate aminotransferase cytoplasmic; cAspAT; Cysteine aminotransferase cytoplasmic; Cysteine transaminase cytoplasmic; cCAT; Glutamate oxaloacetate transaminase 1; Transaminase A
AMOUNT:	100 µl
IMMUNOGEN:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GOT1
HOST/ISOTYPE:	Rabbit IgG
CLONALITY:	Polyclonal
SPECIFICITY:	Recognizes endogenous levels of GOT1 protein
SPECIES REACTIVITY:	Human and Rat
PURIFICATION:	The antibody was purified by affinity chromatography
FORM:	Liquid
FORMULATION:	Supplied in 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol and 0.01% sodium azide
STORAGE CONDITIONS:	Shipped at 4°C. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
DESCRIPTION:	Biosynthesis of L-glutamate from L-aspartate or L-cysteine. 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.
APPLICATION:	WB; 1:500 – 1:1000

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western blot analysis of GOT1 expression in Jurkat (A), A549 (B), PC12 (C), H9C2 (D) whole cell lysates.

RELATED PRODUCTS:

- GOT2, human recombinant (**Cat. No. 7809-100**)
- Aspartate Aminotransferase (AST or SGOT) Assay Kit (**Cat. No. K753-100**)

FOR RESEARCH USE ONLY! Not to be used on humans.