

GOT1 antibody

Product Information

Catalog No.:	FNab03568
Size:	100µg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	2F1
IsoType:	IgG2a
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

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 H₂S via the action of 3-mercaptopruvate sulfurtransferase(3MST). Hydrogen sulfide is an important synaptic modulator and neuroprotectant in the brain.

Immunogen information

Immunogen:	glutamic-oxaloacetic transaminase 1, soluble(aspartate aminotransferase 1)
Synonyms:	Aspartate aminotransferase, cytoplasmic (cAspAT) Cysteine aminotransferase, cytoplasmic Cysteine transaminase, cytoplasmic (cCAT) Glutamate oxaloacetate transaminase 1 Transaminase A GOT1
Observed MW:	43 kDa
Uniprot ID :	P17174

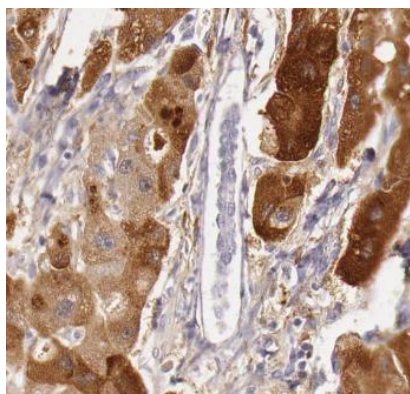
Application

Reactivity:	Human
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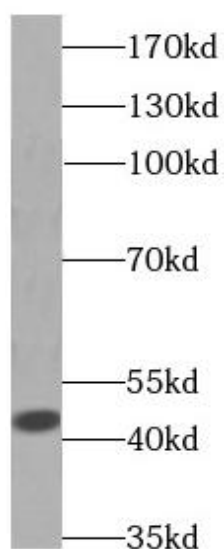
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human liver cancer tissue slide using FNab03568(GOT1 Antibody) at dilution of 1:200



human brain tissue were subjected to SDS PAGE followed by western blot with FNab03568(GOT1 Antibody) at dilution of 1:1000