

Datasheet for ABIN7114620 **anti-GOT1 antibody**



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Overview

Quantity:	100 µg
Target:	GOT1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GOT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	glutamic-oxaloacetic transaminase 1, soluble(aspartate aminotransferase 1)
Clone:	2F1
Isotype:	IgG2a
Purification:	Protein A+G purification
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	GOT1
Alternative Name:	GOT1 (GOT1 Products)
Background:	Synonyms:AATC, CAT, GIG18, GOT1, Transaminase A Background:Biosynthesis of L-glutamate from L-aspartate or L-cysteine. Important regulator of levels of glutamate, the major excitatory

Target Details

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.

Molecular Weight:	43 kDa
Gene ID:	2805
UniProt:	P17174
Pathways:	Hepatitis C , Monocarboxylic Acid Catabolic Process , Methionine Biosynthetic Process

Application Details

Application Notes:	WB: 1:500-1:2000, IHC: 1:20-1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)
Expiry Date:	12 months