

Datasheet for ABIN752008
anti-GOT1 antibody (AA 301-400)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	GOT1
Binding Specificity:	AA 301-400
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GOT1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Aspartate aminotransferase, cytoplasmic
Isotype:	IgG
Specificity:	This antibody is specific for cytoplasmic Aspartate Aminotransferase, and will not detect the mitochondrial form.
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Dog,Cow,Pig,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	GOT1
Alternative Name:	Aspartate Aminotransferase, Cytoplasmic (GOT1 Products)
Background:	Synonyms: cCAT, GIG18, cAspAT, ASTQTL1, Aspartate aminotransferase, cytoplasmic, Cysteine aminotransferase, cytoplasmic, Cysteine transaminase, cytoplasmic, Glutamate oxaloacetate transaminase 1, Transaminase A, GOT1 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 H(2)S via the action of 3-mercaptopyruvate sulfurtransferase (3MST). Hydrogen sulfide is an important synaptic modulator and neuroprotectant in the brain.
Gene ID:	2805
UniProt:	P17174
Pathways:	Hepatitis C , Monocarboxylic Acid Catabolic Process , Methionine Biosynthetic Process

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

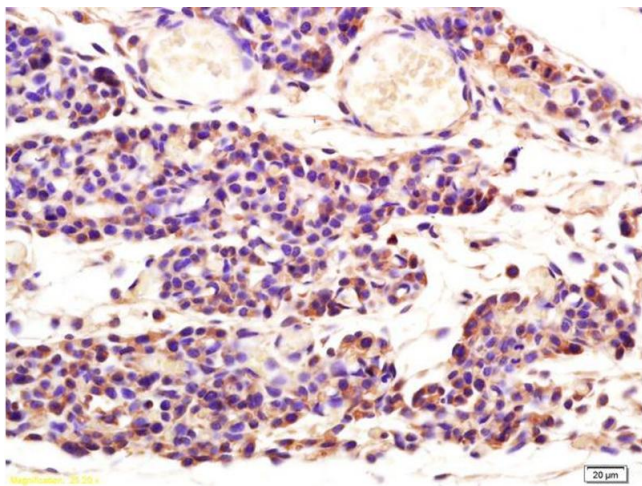
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded mouse embryo labeled with Rabbit Anti Aspartate Aminotransferase Polyclonal Antibody, Unconjugated (ABIN752008) at 1:200 followed by conjugation to the secondary antibody and DAB staining