

Datasheet for ABIN7595314 **anti-GOT1 antibody**



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Overview

Quantity:	100 µL
Target:	GOT1
Reactivity:	Rat
Host:	Guinea Pig
Clonality:	Polyclonal
Conjugate:	This GOT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Guinea pig antibody to Aspartate Aminotransferase (AATC)
Immunogen:	A synthetic peptide from rat AATC conjugated to blue carrier protein was used as the antigen.
Specificity:	Specific for AATC
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Whole serum

Target Details

Target:	GOT1
Alternative Name:	Aspartate Aminotransferase (GOT1 Products)
Background:	Biosynthesis of L-glutamate from L-aspartate or L-cysteine. Important regulator of levels of

Target Details

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-mercaptopyruvate sulfurtransferase (3MST). Hydrogen sulfide is an important synaptic modulator and neuroprotectant in the brain.

Pathways: [Hepatitis C](#), [Monocarboxylic Acid Catabolic Process](#), [Methionine Biosynthetic Process](#)

Application Details

Application Notes: IHC WB. A dilution of 1: 500 is recommended for IHC-P,WB. The optimal dilution should be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute in 100 µL of sterile water. Centrifuge to remove any insoluble material.

Storage: 4 °C,-20 °C

Storage Comment: Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8C for a shorter term. When reconstituting glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.

Expiry Date: 12 months