

Datasheet for ABIN5541602
anti-GOT1 antibody (Biotin)



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Overview

Quantity:	0.1 mg
Target:	GOT1
Reactivity:	Pig
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This GOT1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Aspartate aminotransferase / GOT1 from porcine heart
Isotype:	IgG
Specificity:	This antibody detects porcine GOT1. Immuno-electrophoresis give a single precipitin arc against anti-biotin and anti-sheep serum as well as purified and partially purified aspartate transaminase / GOT1 [porcine heart]. Species: Porcine (Pig).
Purification:	Delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer

Target Details

Target:	GOT1
Alternative Name:	got1 (GOT1 Products)
Background:	Aspartate aminotransferase (Glutamate oxaloacetate transaminase / GOT1) is a ubiquitous

Target Details

pyridoxal phosphate-dependent enzyme which exists in both mitochondrial and cytosolic forms. The enzyme plays an important role in amino acid metabolism and in the urea and tricarboxylic acid cycles. The 2 isoenzymes are homodimeric. In liver about 80 % of the enzyme activity is mitochondrial in origin, whereas in serum the enzyme activity is largely cytosolic. Although the mitochondrial and soluble forms of GOT are coded by different chromosomes, the 2 show close homology in amino acid sequence and were presumably derived from a common ancestral gene. Serum GOT (with SGPT) levels are usually elevated in states of hepatocellular injury (injury to the liver cells), the highest levels are associated with hepatitis of a viral origin. High levels are also found after myocardial infarction, when SGPT levels are lower.

UniProt: [P00503](#)

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

Application Details

Application Notes: Western blot : 1/500-1/3,000. ELISA : 1/5,000-1/25,000. This antibody has been assayed against 1.0 µg of aspartate transaminase [porcine heart] in a standard capture ELISA using peroxidase conjugated streptavidin and ABTS as a substrate for 30 minutes at room temperature. A working dilution of 1/4,000 to 1/20,000 of the reconstitution concentration is suggested.

Restrictions: For Research Use only

Handling

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: 4 °C,-20 °C

Storage Comment: Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Expiry Date: 12 months