Datasheet for ABIN568462

anti-GOT1 antibody (Biotin)

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Overview

Quantity:	1 mL
Target:	GOT1
Reactivity:	Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GOT1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunofluorescence (IF), Enzyme Immunoassay (EIA), Dot Blot (DB), Immunodiffusion (ID), Radioimmunoassay (RIA)

Product Details

Immunogen:	Glutamate-Oxaloacetate Transaminase isolated and purified from Porcine heart. Freund's complete adjuvant is used in the first step of the immunization procedure.
Isotype:	IgG
Specificity:	Glutamate-Oxaloacetate Transaminase from Porcine heart. The reagents were evaluated for potency, purity and specificity using most or all of the following techniques: Immunoelectrophoresis, Cross-Immunoelectrophoresis, single Radial Immunodiffusion (Ouchterlony), block titration, ELISA, Immunoblotting and Enzyme Inhibition. Cross-reactivities against enzymes of other sources may occur but have not been determined.
Characteristics:	Molar Ratio: Biotin/IgG ~ 5.7
Purification:	Ammonium Sulphate Precipitation and Ion Exchange Chromatography

Target Details

Target:	GOT1
Alternative Name:	GOT1 (GOT1 Products)
Background:	Glutamate oxaloacetate transaminase is a ubiquitous 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.Synonyms: Aspartate aminotransferase, Glutamate oxaloacetate transaminase 1, Transaminase A
Gene ID:	396967
NCBI Accession:	NP_999092
UniProt:	P00503
Pathways:	Hepatitis C, Monocarboxylic Acid Catabolic Process, Methionine Biosynthetic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Reconstitution:	Restore by adding 1.0 mL of sterile distilled water
Concentration:	10.0 mg/mL
Buffer:	PBS, pH 7.2 without preservatives and foreign proteins
Preservative:	Without preservative
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody lyophilized at 2-8 °C and reconstituted at 2-8 °C for one week or (in aliquots)

at -20 °C for longer. If a slight precipitation occurs upon storage, this should be removed by centrifugation.