Datasheet for ABIN116729

anti-GOT1 antibody

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Overview

Quantity:	2 mL
Target:	GOT1
Reactivity:	Pig
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This GOT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Aspartate Aminotransferase (AST) from Porcine Heart. Genename: GOT1
Specificity:	Assay by Immunoelectrophoresis resulted in a single precipitin arc against purified and partially purified Aspartate Aminotransferase (AST) [Pig Heart]. Cross reactivity against Aspartate Aminotransferase (AST) from other tissues and species may occur but have not been specifically determined.
Purification:	Prepared from monospecific antiserum by a Delipidation and Defibrination.

Target Details

Target:	GOT1
Alternative Name:	GOT1 (GOT1 Products)
Background:	Aspartate Aminotransferase [Glutamate oxaloacetate transaminase] is a ubiquitous pyridoxal phosphate-dependent enzyme which exists in both mitochondrial and cytosolic forms. The

Target Details

	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:	Suitable for Immunoblotting (Western or Dot blot), ELISA, Immunoprecipitation and mostimmunological methods requiring high titer and specificity. Recommended Dilutions: ELISA: 1/5,000-1/25,000. Western Blot: 1/500-1/3,000. This product has been assayed against 1.0 µg of Aspartate Aminotransferase (AST) [PigHeart] in a standard sandwich ELISA using Peroxidase conjugated Affinity Purified Goatanti-Sheep IgG [H&L] (R1364HRP) and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonicacid]) as a substrate for 30 minutes at room temperature. A working dilution of 1/4,000 to 1/16,000 of the reconstitution concentration is suggestedfor this product. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Reconstitution:	Restore with 2.0 mL of deionized water (or equivalent).
Concentration:	96.0 mg/mL (by Refractometry)
Buffer:	0.02 M Potassium Phosphate, 0.12 M Sodium Chloride, pH 7.2 with 0.01 % Sodium Azide as

Handling

	preservative.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Dilute only prior to immediate use. Avoid cycles of freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store vial at -20 °C prior to opening. Centrifuge product if not completely clear after standing at room temperature. For extended storage aliquot contents and freeze at -20 °C or below.