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Datasheet for ABIN1607837

**anti-Aspartate Transaminase antibody (Biotin)**

## Overview

Quantity:	100 µg
Target:	Aspartate Transaminase (Ast)
Reactivity:	Pig
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This Aspartate Transaminase antibody is conjugated to Biotin
Application:	ELISA, Western Blotting (WB)

## Product Details

Immunogen:	Aspartate Aminotransferase (AST) [Pig Heart] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Aspartate Aminotransferase (AST) from other sources may occur but has not been specifically determined.
Purity:	Anti-Aspartate Transaminase is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Sheep Serum as well as purified and partially purified Aspartate Aminotransferase (AST) [Pig Heart].
Endotoxin Level:	Low Endotoxin : No

## Target Details

Target:	Aspartate Transaminase (Ast)
Alternative Name:	Aspartate Transaminase ( <a href="#">Ast Products</a> )
Background:	Anti-Aspartate Transaminase antibody is present in the cytoplasm of cells, belonging to the class-I pyridoxal-phosphate-dependent aminotransferase family. Playing an active role in amino acid metabolism, Anti-Aspartate Transaminase antibody is ideal for investigators interested in Metabolism, Cancer, and Signal Transduction research. Synonyms: Aspartate aminotransferase 1 antibody, Aspartate aminotransferase cytoplasmic antibody, Aspartate aminotransferase cytosolic antibody, ec 2.6.1.1 antibody, GIG 18 antibody, GIG18 antibody, Glutamate oxaloacetate transaminase 1 antibody
Gene ID:	396967
UniProt:	<a href="#">P00503</a>

## Application Details

Application Notes:	<p>Anti-Aspartate Transaminase has been assayed against 1.0 µg of Aspartate Aminotransferase (AST in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 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 for this product. This product has been assayed against 1.0 µg of Aspartate Aminotransferase (AST in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 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 for this product.</p> <p>ELISA Dilution: 1:5.000 - 1:25.000</p> <p>Western Blot Dilution: 1:500 - 1:3.000</p>
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	10 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Handling Advice:	Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

## Handling

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Storage: -20 °C

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Storage Comment: Store vial at -20 °C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below.

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Expiry Date: Expiration date is one (1) year from date of opening.