

Datasheet for ABIN7565857
anti-GOT1 antibody (HRP)



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Overview

Quantity:	25 µL
Target:	GOT1
Reactivity:	Pig
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This GOT1 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Dot Blot (DB)

Product Details

Purpose:	Aspartate Transaminase Antibody Peroxidase Conjugated
Immunogen:	Immunogen: Aspartate Aminotransferase (AST) [Pig Heart] Immunogen Type: Native Protein
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Sheep Serum as well as purified and partially purified Aspartate Aminotransferase (AST) [Pig Heart].
Characteristics:	Synonyms: sheep anti-Aspartate Transaminase HRP conjugated Antibody, peroxidase conjugated sheep anti-Aspartate Transaminase Antibody, 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
Purification:	Aspartate Transaminase is an IgG fraction antibody purified from monospecific antiserum by a

Product Details

multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above.

Sterility: Sterile filtered

Target Details

Target: GOT1

Alternative Name: GOT1 ([GOT1 Products](#))

Background: Aspartate Transaminase is an important regulator of levels of glutamate, the major excitatory neurotransmitter of the vertebrate central nervous system. It 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. Aspartate Transaminase is found in the liver, heart, skeletal muscle, kidneys, brain, and red blood cells, and it is commonly measured clinically as a marker for liver health.

Gene ID: 396967

NCBI Accession: [NP_999092](#)

UniProt: [P00503](#)

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

Application Details

Application Notes: Application Note: Anti-Aspartate Transaminase Peroxidase Conjugated has been tested by dot blot and is suitable to be assayed against 1.0 µg of Aspartate Aminotransferase (AST) [Pig Heart] in a standard capture ELISA using 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 1:20,000 to 1:100,000 of the reconstitution concentration is suggested for this product. Western Blot Dilution: 1:1,000 - 1:5,000 ELISA Dilution: 1:10,000 - 1:40,000 Other: User Optimized

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Handling

Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative: 0.01 % (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!

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: -20 °C

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. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

Expiry Date: 12 months
