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Datasheet for 200-601-144S

Aspartate Transaminase Antibody

Overview

Description:	Anti-Aspartate Transaminase (AST) (SHEEP) Antibody - 200-601-144S
Item No.:	200-601-144S
Size:	25 µL
Reactivity:	Pig
Host Species:	Sheep

Product Details

Background:	Anti-Aspartate Transaminase is detects Aspartate Transaminase. Aspartate Transaminase is a pyridoxal phosphate (PLP)-dependent transaminase enzyme. AST catalyzes the reversible transfer of an α-amino group between aspartate and glutamate and, as such, is an important enzyme in amino acid metabolism. Anti-Aspartate Transaminase antibody is ideal for investigators involved in Cell Signaling, cellular biology and Signal Transduction research.
Synonyms:	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, AST
Host Species:	Sheep
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	GOT1
Reactivity:	Pig
Immunogen Type:	Native Protein
Immunogen:	Anti-Aspartate Transaminase antibody was produced by repeated immunizations with Aspartate Transaminase from pig heart.

Purity/Specificity:	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-Sheep Serum as well as purified and partially purified Aspartate Transaminase (AST) [Pig Heart]. Cross reactivity against Aspartate Transaminase (AST) from other tissues and species may occur but have not been specifically determined.
Relevant Links:	• UniProtKB - P00503 • NCBI - NP_999092.1 • GeneID - 396967

Application Details

Application Note:	Anti-Aspartate Transaminase is suitable for western blotting and for ELISA. Researchers should determine optimal titers for applications that are not stated below.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000 - 1:25,000
WB:	1:500 - 1:3,000

Formulation

Physical State:	Liquid (sterile filtered)
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	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.

Expiration: Expiration date is one (1) year from date of receipt.

Disclaimer

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