Datasheet for ABIN1607805

anti-AnsB antibody (Biotin)

1 Image

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Overview

Quantity:	100 µg
Target:	AnsB
Reactivity:	E. coli
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Biotin
Application:	ELISA, Western Blotting (WB), Dot Blot (DB)

Product Details

Purpose:	L-Asparaginase Antibody Biotin Conjugated
Immunogen:	Immunogen: Asparaginase [E. coli] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Rabbit Serum as well as purified and partially purified Asparaginase [E.
Characteristics:	Synonyms: rabbit anti-L-Asparaginase Antibody biotin Conjugation, biotin Conjugated rabbit anti-L-Asparaginase Antibody, L ASNase II antibody, AnsA antibody, AnsB antibody, Colaspase antibody, Cytoplasmic asparaginase I antibody, L ASNase I antibody, L asparaginase II precursor antibody, L asparagine amidohydrolase I antibody
Purification:	Anti-L-Asparaginase is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange

Product Details

	chromatography followed by extensive dialysis against the buffer stated above.

Target Details

Target:	AnsB
Background:	Background: Anti-L-Asparaginase antibody recognizes the protein asparaginase. Asparaginase is responsible for the catalysis of asparagine to L-aspartic acid and ammonia. In food processing, asparaginase is used to prevent the formation of acrylamide, a carcinogen, from the heating of asparagine which causes it to undergo the maillard reaction. Asparaginase is also used in cancer therapy since leukemic cells are unable to produce their own asparagine and therefore, must rely on circulating asparagine. Treatment with asparaginase converts the asparagine to aspartic acid denying the leukemic cells of asparagine, resulting in their death. Anti-L-Asparaginase antibody is suitable to investigators interested in cancer, metabolism, and enzymology.
Gene ID:	1039460
UniProt:	P00805

Application Details

Application Notes:	Application Note: Anti-L-Asparaginase Biotin Conjugated Antibody has been by ELISA, dot blot, and western blot. This product is assayed against 1.0 µg of Asparaginase 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 1:3,200 to 1:12,800 of the reconstitution concentration is suggested for this product. Western Blot Dilution: 1:500 ELISA Dilution: 1:1,000 Other: User Optimized
Restrictions:	For Research Use only

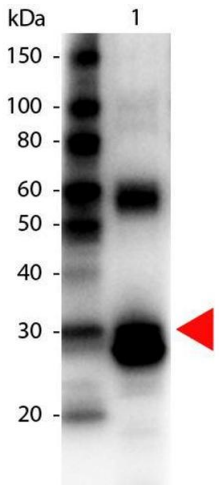
Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 100 µL Reconstitution Buffer: Restore with deionized water (or equivalent)

Handling

Concentration:	10 mg/mL
Buffer:	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 Preservative: 0.01 % (w/v) 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:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Western Blot of Biotin Conjugated Rabbit anti-L-Asparaginase Antibody. Lane 1: L-Asparaginase. Lane 2: none. Load: 100 ng per lane. Primary antibody: Biotin Conjugated L-Asparaginase antibody at 1:1000 for overnight at 4°C. Secondary antibody: HRP Streptavidin secondary antibody at 1:40,000 for 30 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 32 kDa for L-Asparaginase. Other band(s): L-Asparaginase splice variants and isoforms.