

Datasheet for 200-4171S

L-Asparaginase Antibody

Overview

Description:	Anti-L-Asparaginase (RABBIT) Antibody - 200-4171S
Item No.:	200-4171S
Size:	25 µL
Applications:	ELISA, WB
Reactivity:	E. coli
Host Species:	Rabbit

Product Details

Background:	L-Asparaginase antibody detects bacterial Asparaginase. Asparaginase is an enzyme that catalyzes the hydrolysis of asparagine to aspartic acid. Asparaginases are naturally occurring enzymes expressed and produced by microorganisms. Colaspase is also known as L-asparaginase (E. coli). Anti-L-Asparaginase antibody is ideal for investigators involved enzyme research.
Synonyms:	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
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ansB
Reactivity:	E. coli
Immunogen Type:	Native Protein
Immunogen:	Asparaginase [E. coli]

Purity/Specificity: Anti-L-Asparaginase antibody 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-Rabbit Serum as well as purified and partially purified Asparaginase [E. coli]. Cross reactivity against Asparaginase from other tissues and species may occur but have not been specifically determined.

Relevant Links:

- [UniProtKB - P00805](#)
- [NCBI - P00805.2](#)
- [GeneID - 1039460](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-L-Asparaginase antibody has been tested by ELISA and western blot and is assayed in western blot and against 1.0 ug of Asparaginase [E. coli] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) and (ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:100,000 to 1:400,000 is suggested for this product.

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

IP: 1:100

WB: 1:500 - 1:3,000

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 mg/ml by UV absorbance at 280 nm

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

Preservative: 0.01% (w/v) Sodium Azide

Stabilizer: None

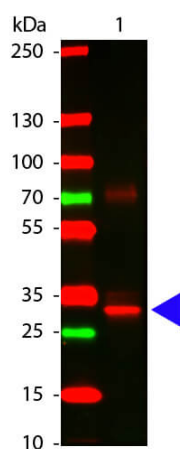
Shipping & Handling

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.

Images



Western Blot

Western Blot of Rabbit anti-L-Asparaginase Antibody. Lane 1: L-Asparaginase. Lane 2: none. Load: 100 ng per lane. Primary antibody: L-Asparaginase antibody at 1:1000 for overnight at 4°C. Secondary antibody: DyLight™ 649 rabbit secondary antibody at 1:20,000 for 30 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 32 kDa for L-Asparaginase. Other band(s): L-Asparaginase splice variants and isoforms.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.