

Datasheet for 200-4371-0100**L-Asparaginase Antibody Peroxidase Conjugated****Overview**

Description:	Anti-L-Asparaginase (RABBIT) Antibody Peroxidase Conjugated - 200-4371-0100
Item No.:	200-4371-0100
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	E. coli
Host Species:	Rabbit

Product Details

Background:	Anti-Asparaginase antibody detects Asparaginase. Asparaginase is an enzyme that catalyzes the hydrolysis of asparagine to aspartic acid. Asparaginases are naturally occurring enzymes expressed and produced by microorganisms. Anti-Asparaginase Antibody is ideal for investigators involved in Immunology, Cell Signaling, Neuroscience and Signal Transduction research.
Synonyms:	rabbit anti-L-Asparaginase Antibody Peroxidase Conjugation, HRP 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
Host Species:	Rabbit
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

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

Immunogen:	Anti-Asparaginase Antibody was produced by repeated immunizations with E. coli Asparaginase protein.
Purity/Specificity:	Anti-Asparaginase 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-Peroxidase, 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-Asparaginase Peroxidase conjugated antibody has been tested by western blotting to detect a single band of the expected apparent molecular weight and by 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:	1:1,000 - 1:5,000
WB:	1:200 - 1:1,000

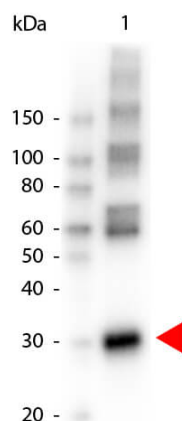
Formulation

Physical State:	Lyophilized
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) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	100 µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	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.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Peroxidase conjugated Rabbit anti-L-ASPARAGINASE antibody. Lane 1: L-ASPARAGINASE. Lane 2: none. Load: 50 ng per lane. Primary antibody: none. Secondary antibody: Peroxidase rabbit secondary antibody at 1:1,000 for 60 min at RT. Block: MB-070 for 30 min RT. Predicted/Observed size: 30 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.