

Datasheet for 200-4161-0100

Deoxyribonuclease I Antibody

Overview

Description:	Anti-Deoxyribonuclease I (Bovine Pancreas) (RABBIT) Antibody - 200-4161-0100
Item No.:	200-4161-0100
Size:	100 µg
Applications:	WB
Reactivity:	Bovine
Host Species:	Rabbit

Product Details

Background:	Deoxyribonuclease I seems to be involved in cell death by apoptosis, among other functions. It binds specifically to G-actin and blocks actin polymerization.
Synonyms:	rabbit anti-Deoxyribonuclease I Antibody, Deoxyribonuclease-1, Deoxyribonuclease I, DNase I
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	DNASE1, DNL1
Reactivity:	Bovine
Immunogen Type:	Native Protein
Immunogen:	Deoxyribonuclease A [Bovine Pancreas]
Purity/Specificity:	Anti-Deoxyribonuclease I 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 Deoxyribonuclease A [Bovine Pancreas]. Cross reactivity against Deoxyribonuclease A from other tissues and species may occur but have not been specifically determined.

Relevant Links:	• UniProtKB - P00639 • NCBI - NP_776959.1 • GeneID - 282217
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Application Details

Tested Applications:	WB
Application Note:	Anti-Deoxyribonuclease I has been tested by western blot and is suitable to be assayed against 1.0 ug of Deoxyribonuclease A [Bovine Pancreas] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) code #611-1302 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 1:500 to 1:1,500 of the reconstitution concentration 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 - 1:20,000
IP:	1:100
WB:	1:500 - 1:5,000

Formulation

Physical State:	Lyophilized
Concentration:	1 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
Reconstitution Volume:	100 µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

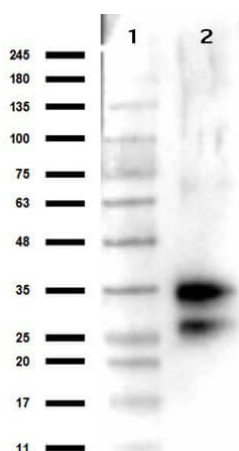
Shipping & Handling

Shipping Condition:	Ambient
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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 results of Rabbit Anti-Deoxyribonuclease 1 Antibody. Lane 1: Opal Prestained Molecular Weight Ladder (p/n MB-210-0500). Lane 2: Deoxyribonuclease 1. Load: 50ng. Primary Antibody: Rabbit Anti-Deoxyribonuclease 1 at 1µg/mL overnight at 4°C. Secondary Antibody: Goat anti-Rabbit HRP (p/n 611-103-122) at 1:70,000 for 30min at RT. Blocking: BlockOut (p/n MB-073) for 30 min at RT. Expected MW: ~31.3kDa.

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.