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Datasheet for 200-4161

Deoxyribonuclease I Antibody

Overview

Description:	Anti-Deoxyribonuclease I (Bovine Pancreas) (RABBIT) Antibody (BULK ORDER) - 200-4161
Item No.:	200-4161
Size:	50 mg
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

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

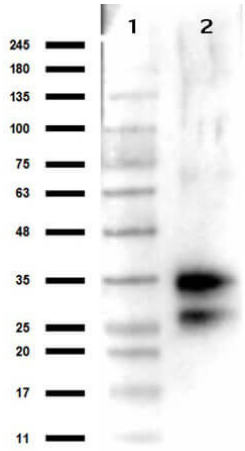
Physical State:	Lyophilized
Concentration:	10.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None
Reconstitution Volume:	5.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

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 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

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