

Datasheet for 200-4361

Deoxyribonuclease I Antibody Peroxidase Conjugated

Overview

Description:	Anti-Deoxyribonuclease I (Bovine Pancreas) (RABBIT) Antibody Peroxidase Conjugated (BULK ORDER) - 200-4361
Item No.:	200-4361
Size:	20 mg
Applications:	ELISA, WB
Reactivity:	Bovine
Host Species:	Rabbit

Product Details

Background:	Deoxyribonuclease I (DNase I) is a nuclease that cleaves DNA preferentially at phosphodiester linkages adjacent to a pyrimidine nucleotide, yielding 5'-phosphate-terminated polynucleotides with a free hydroxyl group on position 3', on average producing tetranucleotides. It acts on single-stranded DNA, double-stranded DNA, and chromatin.
Synonyms:	rabbit anti-Deoxyribonuclease I Antibody Peroxidase Conjugation, HRP conjugated rabbit anti-Deoxyribonuclease I Antibody, Deoxyribonuclease-1, Deoxyribonuclease I, DNase I
Host Species:	Rabbit
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	DNASE1, DNL1
Reactivity:	Bovine
Immunogen Type:	Native Protein
Immunogen:	Deoxyribonuclease I [Bovine Pancreas]

Purity/Specificity: 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-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Deoxyribonuclease I [Bovine Pancreas]. Cross reactivity against Deoxyribonuclease I from other tissues and species may occur but have not been specifically determined.

Relevant Links:

- [UniProtKB - P00639](#)
- [NCBI - NP_776959.1](#)
- [GenelD - 282217](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-Deoxyribonuclease I Peroxidase Conjugated Antibody has been tested by ELISA and Western blot. This product is assayed against 1.0 ug of Deoxyribonuclease I [Bovine Pancreas] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:500 to 1:2,500 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) Gentamicin Sulfate. Do NOT add Sodium Azide!

Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Reconstitution Volume: 2.0 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.

Disclaimer

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