

Datasheet for 200-4661-0100**Deoxyribonuclease I Antibody Biotin Conjugated****Overview**

Description:	Anti-Deoxyribonuclease I (Bovine Pancreas) (RABBIT) Antibody Biotin Conjugated - 200-4661-0100
Item No.:	200-4661-0100
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Bovine
Host Species:	Rabbit

Product Details

Background:	Anti-Deoxyribonuclease I antibody is primarily involved in cell death by apoptosis, though it performs other various functions. Deoxyribonuclease I binds specifically to G-actin and blocks actin polymerization. Belonging to the DNase I family, Anti-Deoxyribonuclease antibody is ideal for researchers interested in Metabolism, Epigenetics and Nuclear Signaling, and Cell Biology.
Synonyms:	rabbit anti-Deoxyribonuclease I Antibody biotin Conjugation, biotin conjugated rabbit anti-Deoxyribonuclease I Antibody, Deoxyribonuclease-1, Deoxyribonuclease I, DNase I
Host Species:	Rabbit
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	DNASE1, DNL1
Reactivity:	Bovine
Immunogen Type:	Native Protein
Immunogen:	Deoxyribonuclease I [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-Biotin, anti-Rabbit Serum as well as purified and partially purified Deoxyribonuclease I [Bovine Pancreas]. Cross reactivities against Deoxyribonuclease I from other sources 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 Biotin Conjugated Antibody has been tested by ELISA and western blot. This product is assayed against 1.0 ug of Deoxyribonuclease I in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 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 1:2,000 to 1:8,000 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: 1.0 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: 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.

Disclaimer

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