

Datasheet for 600-401-BQ0**Hantaan Virus Nucleocapsid Antibody****Overview**

Description:	Anti-Hantaan Virus Nucleocapsid (RABBIT) Antibody - 600-401-BQ0
Item No.:	600-401-BQ0
Size:	100 µg
Applications:	ELISA
Reactivity:	Virus
Host Species:	Rabbit

Product Details

Background:	Hantaan virus (HNTV) is the prototype virus of the genus hantavirus of the family Bunyaviridae, an enveloped, negative-sense RNA virus that is the etiological agent of Korean hemorrhagic fever (1). Infection of cultured Vero E6 cells with HNTV induced expression of the heat shock protein HSP70. A substantial fraction of HSP70 was found to be associated with the HNTV nucleocapsid (NP) (2). Vero E6 cells that overexpress HSP70 show significantly reduced levels of NP and an increased resistance to infection by HNTV (2).
Synonyms:	Hantaan Virus Nucleocapsid Antibody, Nucleoprotein, Nucleocapsid protein, Protein N
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	HTNVsSgp1
Reactivity:	Virus
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Hantaan virus nucleocapsid antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the N-terminus of the Hantaan virus nucleocapsid.

Purity/Specificity:	Anti-Hantaan virus nucleocapsid antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Hantaan Virus Nucleocapsid from other sources has not been determined.
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Relevant Links:	• UniProtKB - P05133 • GeneID - 2943078 • NCBI - AFA36178
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Application Details

Tested Applications:	ELISA
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Application Note:	Anti-Hantaan Virus Nucleocapsid Antibody has been tested for use in ELISA. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 48 kDa in Western Blots of specific cell lysates and tissues.
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Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
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ELISA:	1 µg/mL
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Formulation

Physical State:	Liquid (sterile filtered)
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Concentration:	1.0 mg/mL by UV absorbance at 280 nm
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Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
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Preservative:	0.02% (w/v) Sodium Azide
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Stabilizer:	None
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Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. 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.
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Expiration:	Expiration date is one (1) year from date of receipt.
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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.