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Datasheet for 600-401-EK9

Sin Nombre Virus Nucleocapsid Antibody

Overview

Description:	Anti-Sin Nombre Virus Nucleocapsid (RABBIT) Antibody - 600-401-EK9
Item No.:	600-401-EK9
Size:	100 µg
Applications:	ELISA
Reactivity:	Virus
Host Species:	Rabbit

Product Details

Background:	Sin Nombre virus (SNV) is a rodent-borne hantavirus of the family Bunyaviridae, an enveloped, negative-sense RNA viruses with a tripartite genome that can cause hantavirus pulmonary syndrome (HPS) (1). The hantavirus nucleocapsid protein plays several roles in viral replication and assembly, and is the major antigen in humoral responses in humans and mice (2). Within the bunyviridae family, the nucleocapsid protein also functions as an RNA chaperone facilitating the formation of the stable genomic RNA “panhandle” and is thought to aid in the replication of bunyavirus RNA (3).
Synonyms:	Sin Nombre Virus Nucleocapsid Antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SNVsSgp1
Reactivity:	Virus
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Sin Nombre virus nucleocapsid antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the internal region of the Sin Nombre virus nucleocapsid.

Purity/Specificity:	Anti-Sin Nombre virus nucleocapsid antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Sin Nombre Virus Nucleocapsid from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9E1J8 • GeneID - 2943142 • NCBI - AAG03030

Application Details

Tested Applications:	ELISA
Application Note:	Anti-Sin Nombre 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
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.
Expiration:	Expiration date is one (1) year from date of receipt.

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