

Sin Nombre Virus Nucleocapsid Antibody

Catalog # ASC11756

Product Information

Application	E
Primary Accession	Q9E1J8
Other Accession	AAG03030 , 9944924
Reactivity	Virus
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	N/A
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	Sin Nombre virus nucleocapsid antibody can detect 10ng Sin Nombre virus nucleocapsid peptide in ELISA at 1 µg/ml.

Additional Information

Gene ID	2943142
Target/Specificity	SNVsSgp1;
Reconstitution & Storage	Sin Nombre Nucleocapsid antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Precautions	Sin Nombre Virus Nucleocapsid Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

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).

References

Spiropoulou CF, Morzunov S, Feldmann H, et al. Genome structure and variability of a virus causing hantavirus pulmonary syndrome. *Virology* 1994; 200:715-23.
Tischler ND, Roseblatt M, and Valenzuela PD. Characterization of cross-reactive and serotype-specific

epitopes on the nucleocapsid proteins of hantaviruses. *Virus Res.* 2008; 135:1-9.

Mir MA and Panganiban AT. The bunyavirus nucleocapsid protein is an RNA chaperone: possible roles in viral RNA panhandle formation and genome replication. *RNA* 2006; 12:272-82.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.