

ARG70633 Sin Nombre Virus Glycoprotein 2 peptide

Package: 50 µg
Store at: -20°C

Summary

Product Description	The peptide is used for blocking the activity of anti-Sin Nombre Virus Glycoprotein 2 antibody ARG46769
Tested Application	BL
Target Name	Sin Nombre Virus Glycoprotein 2
A.A. Sequence	16 amino acids near the center of the Sin Nombre virus glycoprotein.

Application Instructions

Application table	Application	Dilution
	BL	Assay-dependent

Application Note This peptide usually blocks anti-Sin Nombre Virus Glycoprotein 2 antibody [ARG46769](#) activity completely by incubating the peptide with equal volume of antibody for 30 min at at 37°C.

Properties

Form	Liquid
Buffer	PBS (pH 7.2), 0.02% sodium azide and 0.1% BSA
Concentration	200 µg/ml
Storage instruction	Store peptide at -20°C, stable for one year. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

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). Hantavirus glycoprotein precursor (GPC) is posttranslationally cleaved into two glycoproteins G1 (Gn) and G2 (Gc). While the G1 glycoprotein is thought to be degraded by the host autophagy machinery, and this autophagic clearance is required for efficient virus repliaction (2), no such degradation was observed for the G2 glycoprotein.