Sin Nombre Virus Glycoprotein 1 Antibody

CATALOG NUMBER: 7681

Specifications

SPECIES REACTIVITY: Virus
TESTED APPLICATIONS: ELISA
APPLICATIONS: Sin Nombre virus glycoprotein 1 antibody can detect 10ng Sin Nombre virus glycoprotein 1 peptide in ELISA at 1 ug/ml.
USER NOTE: Optimal dilutions for each application to be determined by the researcher.
PREDICTED MOLECULAR WEIGHT: N/A
IMMUNOGEN: Sin Nombre virus glycoprotein 1 antibody was raised against a 19 amino acid peptide near the amino terminus of the Sin Nombre virus glycoprotein.
The immunogen is located within amino acids 60 - 110 of Sin Nombre Virus Glycoprotein 1.
HOST SPECIES: Rabbit

Properties

PURIFICATION: Sin Nombre virus glycoprotein 1 antibody is affinity chromatography purified via peptide column.
PHYSICAL STATE: Liquid
BUFFER: Sin Nombre virus glycoprotein 1 antibody is supplied in PBS containing 0.02% sodium azide.
CONCENTRATION: 1 mg/mL
STORAGE CONDITIONS: Sin Nombre Glycoprotein 1 antibody can be stored at 4˚C for three months and -20˚C, stable for up to one year.
CLONALITY: Polyclonal
ISOTYPE: IgG
CONJUGATE: Unconjugated

Additional Info

ALTERNATE NAMES: Sin Nombre Virus Glycoprotein 1 Antibody:
ACCESSION NO.: NP_941974
PROTEIN GI NO.: 38371724
OFFICIAL SYMBOL: SNVsMgp1
GENE ID: 2654026

Background

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). The G1 glycoprotein is is thought to be degraded by the host autophagy machinery, and this autophagic clearance is required for efficient virus repliaction (2).