

Anti-Gc (ANDV) Rabbit Polyclonal Antibody

CATALOG NUMBER: ANDV-Gc-024

Introduction	Andes orthohantavirus (ANDV) encodes a glycoprotein precursor (GPC) that is post-translationally cleaved into two envelope glycoproteins, Gn and Gc, which assemble into spikes on the virion surface. Gc forms the prominent surface head and functions as the class II fusion glycoprotein, while Gn is located more membrane-proximally and contributes to spike stability, virion assembly, and shielding of Gc. Because Gn is part of the viral surface spike complex and participates in virion assembly and immune recognition, antibodies against Gn are useful for serological assays, antigen detection, and studies of ANDV glycoprotein function.
Description	Rabbit polyclonal antibody raised against the Gc glycoprotein of Andes orthohantavirus (ANDV). Generated using recombinant ANDV Gn (aa 676–976) as immunogen.
Applications	ELISA (1:2000-1:20,000), WB (1:500-1:2000) & Neutralization Assay. May also be suitable for other applications.
Specificity	Detects Gc and full length ANDV glycoprotein
Purification	Antigen affinity chromatography
Isotype	Rabbit IgG
Storage	Store at -20 °C for long-term preservation; Stable for 1 month at 4 °C after shipment. Avoid repeated freeze-thaw cycles.
Size	100 µg
Storage Buffer	0.01M PBS, pH7.4 (50% glycerol, 0.05% Proclin 300)

