

Anti-Spike (HCoV-HKU1) Rabbit Polyclonal Antibody

CATALOG NUMBER: HKU1-S-100, 100 µg

Introduction	<p>HCoV-HKU1 is the one of seven known coronaviruses to infect humans, including HCoV-229E, HCoV-NL63, HCoV-OC43, MERS-CoV, the original SARS-CoV (or SARS-CoV-1), and SARS-CoV-2.</p> <p>The virus is an enveloped, positive-sense, single-stranded 29,926-nucleotide polyadenylated RNA virus which enters its host cell by binding to the N-acetyl-9-O-acetylneuraminic acid receptor. It has the Hemagglutinin esterase (HE) gene, which distinguishes it as a member of the genus Betacoronavirus and subgenus Embecovirus.</p> <p>The genome organization is the same as that of other Betacoronaviruses, with the characteristic gene order 1a, 1b, HE, S, E, M, and N. Furthermore, accessory protein genes are present between the S and E genes (ORF4) and at the position of the N gene (ORF8).</p>
Applications	Western blot and ELISA, May be used for other applications
Description	Rabbit polyclonal anti-spike protein (HCoV-HKU1) antibody
Immunogen	Genetic immunization of rabbit with a eukaryotic expression vector bearing full length HCoV-HKU1 spike protein (Gene Accession#: Q0ZME7)
Specificity	Reacts with spike protein of HCoV-HKU1. Cross-reaction to spike proteins from other coronavirus not tested.
Purification	Protein G immunoaffinity chromatography
Isotype	Rabbit IgG
Storage	Store at -20 °C; Stable for 6-months from the date of shipment when kept at 4 °C. Non-hazardous. No MSDS required.
Concentration	2 µg/µl in PBS with 0.1% gelatin and 0.1% sodium azide

