Rabbit HCoV-NL63 Spike S2 Polyclonal Antibody | anti-HCoV-NL63 antibody

HCoV-NL63 Spike S2 Rabbit pAb

CATALOG #	HOST	APPLICATIONS
AAA282106	**Rabbit**	**Western Blot**

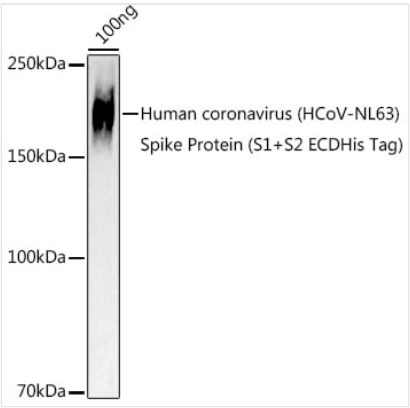
PRODUCT SYNONYMS

HCoV-NL63 Spike S2; Polyclonal Antibody; HCoV-NL63 Spike S2 Rabbit pAb; anti-HCoV-NL63 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-HCoV-NL63 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1200-1300 of coronavirus Spike S2 (YP_003767.1).
Species Reactivity/Cross Reactivity	HCoV-NL63
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of Human coronavirus (HCoV-NL63) Spike Protein (S1+S2 ECDHis Tag), using HCoV-NL63 Spike S2 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-HCoV-NL63 antibody	Background: S1 region attaches the virion to the cell membrane by interacting with host ACE2, initiating the infection. Binding to the receptor probably induces conformational changes in the S glycoprotein unmasking the fusion peptide and activating membranes fusion. S2 region belongs to the class I viral fusion protein. Under the current model, the protein has at least 3 conformational states: pre-fusion native state, pre-hairpin intermediate state, and post-fusion hairpin state. During viral and target cell membrane fusion, the coiled coil regions (heptad repeats regions assume a trimer-of-hairpins structure, positioning the fusion peptide in close proximity to the C-terminal region of the ectodomain. The formation of this structure appears to drive apposition and subsequent fusion of viral and target cell membranes.

NCBI AND UNIPROT INFORMATION

NCBI GI #	45655909
NCBI GeneID	2943499
NCBI Accession #	YP_003767.1
NCBI GenBank Nucleotide #	NC_005831.2
UniProt Accession #	Q6Q1S2; Q5DIX7; Q5DIX8; Q5DIX9; Q5DIY0; Q6R1L7
Molecular Weight	Observed MW: 160KDa Calculated MW: 149kDa
NCBI Official Full Name	Spike protein
NCBI Official Symbol	HCNV63gp2
NCBI Protein Information	ORF2
UniProt Protein Name	Spike glycoprotein
UniProt Gene Name	**S**
UniProt Synonym Gene Names	S glycoprotein

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/polyclonal/hcov-nl63-spike-s2-antibody-western-blot-elisa/282106