

CAB22604

Product Information

Product SKU:	CAB22604	Gene ID:	918758	Size:	20uL, 100uL
Clone No:	ARC57280	Host Species:	Rabbit	Reactivity:	HCoV-229E

Additional Information

Observed MW:	180kDa	Conjugate:	Unconjugated
Calculated MW:	129kDa	Isotype:	IgG

Immunogen Information

Background:	S1 region attaches the virion to the cell membrane by interacting with host ANPEP/aminopeptidase N, initiating the infection. Binding to the receptor probably induces conformational changes in the S glycoprotein unmasking the fusion peptide of S2 region 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.
Recommended Dilution:	WB,1:10000 - 1:80000
Synonyms:	-
Purification Method:	Affinity purification
Immunogen:	Recombinant protein of human HCoV-229E Spike S2.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.