

CAB20260

Product Information

Product SKU:	CAB20260	Gene ID:	-	Size:	20uL, 100uL
Clone No:	-	Host Species:	Rabbit	Reactivity:	Human

Additional Information

Observed MW:	12-14kDa	Conjugate:	-
Calculated MW:	11kDa	Isotype:	IgG

Immunogen Information

Background:	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) is the causative agent of the COVID19 pandemic. SARS-CoV-2 and SARS-CoV share many proteins common in other CoVs, including 4 major structural proteins (S, E, M, and N proteins) and 16 nonstructural proteins (nsp1-16), they possess a unique set of proteins, namely orf3a, 3b, 6, 7a, 7b, 8a, 8b, and 9b. The SARS-CoV-2 genome encodes for a small accessory protein termed Orf9b, which targets the mitochondrial outer membrane protein TOM70 in infected cells. This 98-amino acid (aa) protein is encoded by an alternative open reading frame (ORF) within the N gene and is translated via a leaky scanning mechanism during translation. Crystal structures of orf9b alone revealed a homodimeric β -strand-rich structure with a hydrophobic central tunnel for lipid binding, consistent with the role of orf9b in the mature virion assembly.
Recommended Dilution:	WB, 1:500 - 1:1000
Synonyms:	-
Purification Method:	Affinity purification
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-97 of coronavirus ORF9b (P0DTD2).
Storage:	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.