

Anti-COVID-19 Envelope Protein Antibody

Catalog # AP54149

Product Information

Application	WB, E
Primary Accession	P0DTC4
Host	Rabbit
Clonality	Polyclonal
Calculated MW	8365

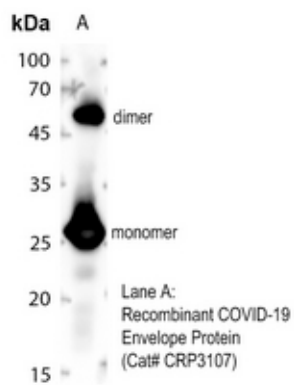
Additional Information

Gene ID	43740570
Other Names	Envelope small membrane protein; E protein; sM protein
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of COVID-19 Envelope Protein. The exact sequence is proprietary.
Dilution	WB~~1/1000 - 1/3000 E~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	E {ECO:0000255 HAMAP-Rule:MF_04204}
Function	Plays a central role in virus morphogenesis and assembly. Acts as a viroporin and self-assembles in host membranes forming pentameric protein-lipid pores that allow ion transport. Also plays a role in the induction of apoptosis (By similarity). Regulates the localization of S protein at cis-Golgi, the place of virus budding (PubMed: 33229438). May act by slowing down the cell secretory pathway (PubMed: 33229438). May interfere with tight-junction stability by interacting with host MPP5. This would result in disruption of epithelial barriers, thereby amplifying inflammatory processes (PubMed: 32891874).
Cellular Location	Host Golgi apparatus membrane {ECO:0000255 HAMAP- Rule:MF_04204}; Single-pass type III membrane protein {ECO:0000255 HAMAP-Rule:MF_04204, ECO:0000269 PubMed:32898469, ECO:0000269 PubMed:33177698}. Note=The cytoplasmic tail functions as a Golgi complex-targeting signal. {ECO:0000255 HAMAP-Rule:MF_04204}

Images



Western blot analysis of COVID-19 Envelope Protein using Recombinant COVID-19 Envelope Protein (A). (Predicted band size: \; Observed band size: 26 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.