

Polyclonal Antibody to SARS virus PUP2 (N-term) - Purified

Alternate names:	SARS-CoV PUP2, Severe acute respiratory syndrome coronavirus Putative Uncharacterized Protein 2
Catalog No.:	AP13037PU-N
Quantity:	0.1 mg
Concentration:	0.25 mg/ml
Background:	The SARS-CoV genome contains five major open reading frames (ORFs) that encode the replicase polyprotein (R), the spike (S), envelope (E), and membrane (M) glycoproteins; and the nucleocapsid protein (N). Other proteins not falling into these categories have been termed PUPs (putative uncharacterized proteins) for their unknown structural or functional features and dissimilarity to those known sequences. However, it has been found that some of the PUPs matched the entries in the NCBI database. PUP2 has a counterpart in Isolate Tor2, the ORF4. It matches 4 segments of different entries in GenBank: 138 amino acids with NADH dehydrogenase subunit2 of <i>Laudakia stoliczкана</i> , 137 amino acids with a hypothetical protein of <i>Methanosarcina barkeri</i> , 85 amino acids with myosin IXb of <i>Homo sapiens</i> , and 85 amino acids with MY9B HUMAN myosin IXb. All of these alignments are 28% identical.
Host / Isotype:	Rabbit / Ig
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of SARS virus PUP2.
Format:	State: Liquid purified Ig Purification: Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS Buffer System: PBS with 0.09% (W/V) sodium azide
Applications:	ELISA: 1/1,000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to SARS virus PUP2.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. He, R., et al., <i>Biochem. Biophys. Res. Commun.</i> 316(2):476-483 (2004). 2. Snijder, E.J., et al., <i>J. Mol. Biol.</i> 331(5):991-1004 (2003). 3. Marra, M.A., et al., <i>Science</i> 300(5624):1399-1404 (2003).