

## SARS virus PUP2 Antibody (N-term)

Catalog_no :	AB0664
Applications :	WB, IHC-P, FC
Reactivity :	S
Category :	抗原抗体
Size :	100 $\mu$ L/50 $\mu$ L
Immunogen :	CVHSA
Specificity :	This SARS virus PUP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of SARS virus PUP2.
Purification :	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Other_name :	Non-structural protein 3b, ns3b, Accessory protein 3b, Protein X2, 3b
Isotype :	Rabbit Ig
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 stoliczkana</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.
reference :	He, R., et al., <i>Biochem. Biophys. Res. Commun.</i> 316(2):476-483 (2004). Snijder, E.J., et al., <i>J. Mol. Biol.</i> 331(5):991-1004 (2003). Marra, M.A., et al., <i>Science</i> 300(5624):1399-1404 (2003).