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SARS virus PUP2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6002b

Product Information

Application	E
Primary Accession	P59633
Other Accession	NP_828853
Reactivity	SARS
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB3789-3790
Calculated MW	17750

Additional Information

Other Names	Non-structural protein 3b, ns3b, Accessory protein 3b, Protein X2, 3b
Target/Specificity	This SARS virus PUP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of SARS virus PUP2.
Dilution	E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SARS virus PUP2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	3b
Function	Induces host cell G0/G1 arrest and apoptosis.
Cellular Location	Host nucleus, host nucleolus. Host mitochondrion

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 Laudakia stoliczkana, 137 amino acids with a hypothetical protein of Methanosarcina barkeri, 85 amino acids with myosin IXb of Homo sapiens, and 85 amino acids with MY9B HUMAN myosin IXb. All of these alignments are 28% identical.

References

He, R., et al., Biochem. Biophys. Res. Commun. 316(2):476-483 (2004).
Snijder, E.J., et al., J. Mol. Biol. 331(5):991-1004 (2003).
Marra, M.A., et al., Science 300(5624):1399-1404 (2003).

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