

## Anti-SARS-CoV Nonstructural Protein 8 (nsp8) (RABBIT) Antibody - 100-401-A53

**Code:** 100-401-A53

**Size:** 100 µL

**Product Description:** Anti-SARS-CoV Nonstructural Protein 8 (nsp8) (RABBIT) Antibody - 100-401-A53

**Concentration:** 85 mg/mL by Refractometry

**PhysicalState:** Liquid (sterile filtered)

<b>Label</b>	Unconjugated
<b>Host</b>	Rabbit
<b>Gene Name</b>	NSP8
<b>Species Reactivity</b>	SARS-Coronavirus nsp8 protein
<b>Buffer</b>	None
<b>Stabilizer</b>	None
<b>Preservative</b>	0.01% (w/v) Sodium Azide
<b>Storage Condition</b>	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
<b>Synonyms</b>	rabbit anti-Sars-Cov Nonstructural Protein 8 Antibody, Replicase polyprotein 1a, ORF1a polyprotein, nsp3, PL2-PRO, Papain-like proteinase, PL-PRO antibody, SARS coronavirus main proteinase, nsp4, 3CL-PRO, nsp5, nsp6, nsp7, nsp8, nsp9, nsp10, GFL, nsp11
<b>Application Note</b>	This antibody has been tested for use in immunofluorescence microscopy, immunoelectron microscopy, immunoprecipitation and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band of approximately 22 kDa in size corresponding to SARS-CoV nsp8 by western blotting in the appropriate cell lysate or extract. For immunofluorescence microscopy, Vero-E6 cells, grown on glass slides, were infected with SARS-CoV-Fr1 strain for 1 h at 37°C. Infection occurred in PBS/DEAE/2%FCS followed by exchange to EMEM/25mMHEPES/2%FCS. Cells were fixed with PBS/3%PFA. After washing fixed cells, antibody incubation was performed in PBS/5%FCS for 30 min.
<b>Background</b>	The nonstructural protein 8 (nsp8) is one of the SARS-Coronavirus replicase cleaving products, encoded by ORF1a. Nsp8 is thought to be part of the viral replication complex, which is associated with intracellular membranes. No specific information on the function of nsp8 is available.
<b>Purity And Specificity</b>	This antibody is directed against SARS-Coronavirus nsp8 protein. The product is neat antiserum. Cross reactivity with homologues from other sources has not been determined.
<b>Assay Dilutions</b>	IMMUNOELECTRON MICROSCOPY 1:100
<b>Western Blot</b>	1:1,000
<b>IF Microscopy</b>	1:300
<b>Other Assays</b>	IMMUNOELECTRON MICROSCOPY 1:100
<b>Expiration</b>	Expiration date is one (1) year from date of opening.
<b>Immunogen</b>	This whole rabbit serum was produced by repeated immunizations with a purified His- tagged recombinant protein corresponding to full-length SARS-Coronavirus nsp8.
<b>General Reference</b>	Snijder, E. J., P. J. Bredenbeek, J. C. Dobbe, V. Thiel, J. Ziebuhr, L. L. M. Poon, Y. Guan, M. Rozanov, W. J. M. Spaan, and A. E. Gorbalenya. 2003. Unique and conserved features of genome and proteome of SARS-coronavirus, an early split-off from the coronavirus group 2 lineage. <i>J. Mol. Bio.</i> 331:991-1004. Prentice, E., J. McAuliffe, X. T. Lu, K. Subbarao, and M. R. Denison. 2004. Identification and characterization of severe acute respiratory syndrome coronavirus replicase proteins. <i>J. Virol.</i> 78:9977-9986. Snijder, E.J., van der Meer, Y., Zevenhoven-Dobbe, J.C., Onderwater, J.J.M., van der Meulen, J., Koerten, H.K., and Mommaas, A.M. 2006. Ultrastructure and origin of membrane vesicles associated with the SARS-coronavirus replication complex. Manuscript in preparation.

**Related Products**

009-001-310	IL-6 Human Recombinant Protein - 009-001-310
009-001-B92	IL-3 Recombinant Human Protein - 009-001-B92

009-001-B93 IL-4 Human Recombinant Protein - 009-001-B93

009-001-B95 IL-2 Human Recombinant Protein - 009-001-B95

## Related Links

NCBI - 30124074

<http://www.ncbi.nlm.nih.gov/protein/30124074>

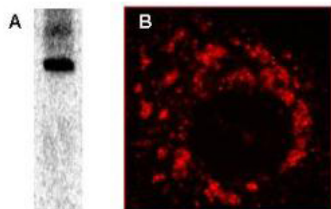
UniProtKB - P0C6U8 <http://www.uniprot.org/uniprot/P0C6U8>

GeneID - 1489680

## Images

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Immunoprecipitation followed by western blotting using Rockland's Anti-nsp8 shows a predominant band at 21.8 kDa corresponding to full length SARS protein (panel A). Immunofluorescence Microscopy using anti-nsp8 6-h post infection of Vero-E6 cells (Panel B). For detection Cy3 conjugated Goat-anti-Rabbit IgG MX (611-104-122) was used. Personal Communication, Eric Snijder, Leiden University Medical Center, Leiden, Netherlands.



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