



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet for 100-401-A54**Sars-Cov Nonstructural Protein 13 Antibody****Overview**

Description:	Anti-SARS-CoV Nonstructural Protein 13 (nsp13) (RABBIT) Antibody - 100-401-A54
Item No.:	100-401-A54
Size:	100 µL
Applications:	IF, Multiplex
Reactivity:	SARS-CoV
Host Species:	Rabbit

Product Details

Background:	The coronavirus nonstructural protein 13 (nsp13) is one of the SARS-Coronavirus replicase cleaving products encoded by ORF1b. Nsp13 is thought to be part of the viral replication complex, which is associated with intracellular membranes. Nsp13 contains a C-terminal NTPase/Helicase domain and an N-terminal putative zinc-binding motif. Anti-SARS-CoV Nonstructural Protein 13 (nsp13) Antibody is useful for researchers interested in viral research.
Synonyms:	rabbit anti-Sars-Cov Nonstructural Protein 13 Antibody, Replicase polyprotein 1a, pp1a antibody, Growth factor-like peptide
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	1a
Reactivity:	SARS-CoV
Immunogen Type:	Conjugated Peptide
Immunogen:	This antibody was prepared from whole rabbit serum produced by repeated immunizations with a BSA-coupled synthetic peptide corresponding to the C-terminus (amino acid residues 584-601) of the SARS Coronavirus nonstructural protein 13.

Purity/Specificity: This antibody is directed against SARS-Coronavirus nsp13 protein. The product is neat antiserum. Cross reactivity with homologues from other sources has not been determined.

Relevant Links:

- [NCBI - 30124074](#)
- [UniProtKB - P0C6U8](#)
- [GeneID - 1489680](#)

Application Details

Suggested Applications: IF, Multiplex (Based on references)

Application Note: This antibody is suitable for use in western blotting, immunofluorescence microscopy and immunoelectron microscopy. Specific conditions for reactivity should be optimized by the end user. Expect a band of approximately 67 kDa in size corresponding to SARS-CoV nsp13 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.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

IF: 1:800

IP: 1:60

WB: 1:1,000

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 85 mg/mL by Refractometry

Buffer: None

Preservative: 0.01% (w/v) Sodium Azide

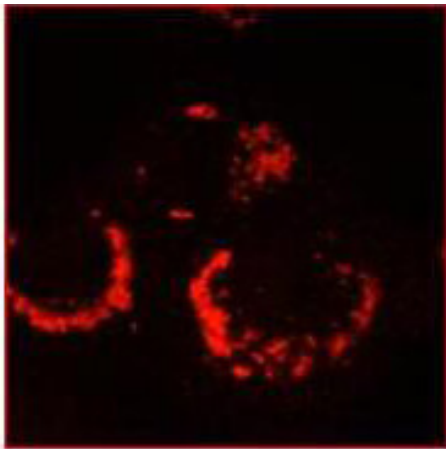
Stabilizer: None

Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition:	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.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy

Immunofluorescence microscopy using Rockland's anti-SARS-CoV nsp13 antibody at 1:800, 6-h post infection Vero-E6 cells. For detection Cy3 conjugated Goat-anti-Rabbit IgG MX (611-104-122) was used. Personal Communication, Eric Snijder, Leiden University Medical Center, Leiden, Netherlands.

References

- Shi FS et al. Expression Profile and Localization of SARS-CoV-2 Nonstructural Replicase Proteins in Infected Cells. *Microbiol Spectr.* (2022)
- Ivanov KA. et al. Multiple Enzymatic Activities Associated With Severe Acute Respiratory Syndrome Coronavirus Helicase. *J Virol.* (2004)

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.