



# 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](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

**Datasheet for 100-401-N96S****Morc3 Antibody****Overview**

<b>Description:</b>	Anti-Morc3 (RABBIT) Antibody - 100-401-N96S
<b>Item No.:</b>	100-401-N96S
<b>Size:</b>	25 µL
<b>Applications:</b>	WB, CHIP, IF
<b>Reactivity:</b>	Mouse
<b>Host Species:</b>	Rabbit

**Product Details**

<b>Background:</b>	The Morc (microorchidia) family of proteins are ATPases of the GHKL family. They have been implicated in transcriptional repression of genes and transposons, and higher order organization of DNA within the nucleus. Morc antibodies are ideal for researchers interested in Epigenetics, Cancer, and Cell cycle research.
<b>Synonyms:</b>	rabbit anti-Morc3 Antibody, MORC family CW-type zinc finger protein 3, Protein microorchidia, Morc antibody
<b>Host Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	Antiserum

**Target Details**

<b>Gene Name:</b>	Morc3
<b>Reactivity:</b>	Mouse
<b>Immunogen Type:</b>	Recombinant Protein
<b>Immunogen:</b>	Morc3 whole rabbit serum was prepared by repeated immunizations with a mouse Morc3 recombinant protein.
<b>Purity/Specificity:</b>	Morc3 antibody was prepared from monospecific antiserum by delipidation and defibrination. The antibody is specific for mouse Morc3 in expressed cell lysates. Cross reactivity to other Morc proteins has not been determined.

<b>Relevant Links:</b>	<ul style="list-style-type: none"><li>• <a href="#">100-401-N96 SDS</a></li><li>• <a href="#">UniProtKB - Q6A0C2</a></li><li>• <a href="#">NCBI - NP_001038994.2</a></li><li>• <a href="#">GeneID - 338467</a></li></ul>
------------------------	--

## Application Details

<b>Tested Applications:</b>	WB
<b>Suggested Applications:</b>	ChIP, IF (Based on references)
<b>Application Note:</b>	Anti-Morc3 Antibody is tested for use in Western Blot and suitable for ChIP and IF. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 110.8 kDa in size corresponding Morc3 by western blotting in the appropriate cell lysate or extract.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	1:10,000-1:50,000
<b>WB:</b>	1:1000-1:5000

## Formulation

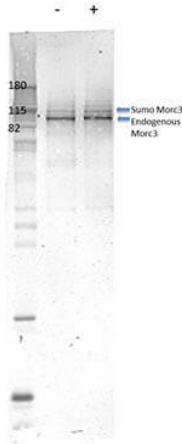
<b>Physical State:</b>	Liquid (sterile filtered)
<b>Concentration:</b>	80 mg/mL by Refractometry
<b>Buffer:</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Preservative:</b>	0.01% (w/v) Sodium Azide
<b>Stabilizer:</b>	None

## Shipping & Handling

<b>Shipping Condition:</b>	Dry Ice
<b>Storage Condition:</b>	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

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

## Images



### Western Blot

Western Blot of Rabbit Anti-Morc3 antibody. Lane 1: C-Flag murine embryonic stem cells. Lane 2: C-Flag murine embryonic stem cells doxycycline induced. Load: 35 µg per lane. Primary antibody: mMorc3 antibody at 1:1000 for overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 110 kDa for mouse Morc3. Other band(s): Sumoylated Morc runs higher.

## References

- Desai, VP et al. The role of MORC3 in silencing transposable elements in mouse embryonic stem cells. *Epigenetics & Chromatin* (2021)
- Groh, S et al. Morc3 silences endogenous retroviruses by enabling Daxx-mediated histone H3.3 incorporation. *Nature Communications* (2021)

## 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.