



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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**Datasheet for 100-401-N97****Morc3 Antibody****Overview**

<b>Description:</b>	Anti-Morc3 (RABBIT) Antibody - 100-401-N97
<b>Item No.:</b>	100-401-N97
<b>Size:</b>	100 µL
<b>Applications:</b>	WB, IP
<b>Reactivity:</b>	Human, 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, Nuclear matrix protein 2, Zinc finger CW-type coiled-coil domain protein 3, ZCWCC3, NXP2
<b>Host Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	Antiserum

**Target Details**

<b>Gene Name:</b>	MORC3
<b>Reactivity:</b>	Human, Mouse
<b>Immunogen Type:</b>	Recombinant Protein
<b>Immunogen:</b>	Morc3 whole rabbit serum was prepared by repeated immunizations with a human Morc3 recombinant protein.

**Purity/Specificity:** Morc3 antibody was prepared from monospecific antiserum by delipidation and defibrination. The antibody is specific for human Morc3 in expressed cell lysates. Cross reactivity is seen in mouse Morc3. Cross reactivity to other Morc proteins has not been determined.

**Relevant Links:**

- [UniProtKB - Q14149](#)
- [NCBI - NP\\_056173.1](#)
- [GeneID - 23515](#)

## Application Details

**Tested Applications:** WB

**Suggested Applications:** IP (Based on references)

**Application Note:** 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 107.1 kDa in size corresponding Morc3 by western blotting in the appropriate cell lysate or extract.

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

**ELISA:** 1:20,000-1:50,000

**WB:** 1:1000-1:5000

## Formulation

**Physical State:** Liquid (sterile filtered)

**Concentration:** 70 mg/mL by Refractometry

**Buffer:** 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

**Preservative:** 0.01% (w/v) Sodium Azide

**Stabilizer:** None

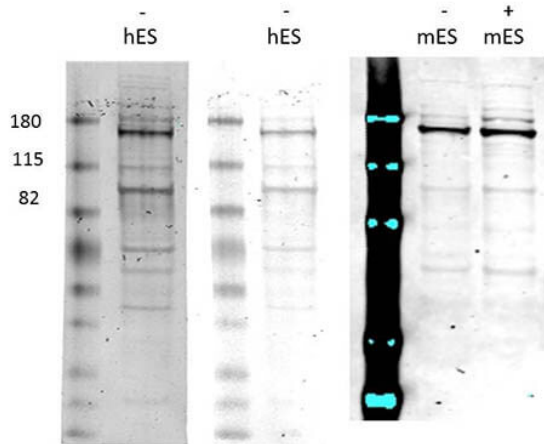
## Shipping & Handling

**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



### Western Blot

Western Blot of Rabbit anti-Morc3 antibody. Lane 1: Human embryonic stem cell. Lane 2: Human embryonic stem cell. Lane 3: C-Flag Mouse embryonic stem cell. Lane 4: C-Flag Mouse embryonic stem cell doxycycline induced. Load: 35 µg per lane. Primary antibody: hMorc3 antibody at 1:1000-1:5000 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: 107kDa/ ~170kDa. Other band(s): sumoylated Morc run higher.

## References

- Ta A et al. A bacterial autotransporter impairs innate immune responses by targeting the transcription factor TFE3. *Nat Commun.* (2023)
- Kojima-Kita K et al. MORC3, a novel MIWI2 association partner, as an epigenetic regulator of piRNA dependent transposon silencing in male germ cells. *Sci Rep.* (2021)
- Li et al. Mouse MORC3 is a GHKL ATPase that localizes to H3K4me3 marked chromatin. *Proc. Natl. Acad. Sci. U.S.A* (2016)

## 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.