



# 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

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**Datasheet for 100-401-V96****SOX4 Antibody****Overview**

<b>Description:</b>	Anti-SOX4 (RABBIT) Antibody - 100-401-V96
<b>Item No.:</b>	100-401-V96
<b>Size:</b>	100 µL
<b>Applications:</b>	ELISA, WB
<b>Reactivity:</b>	Human
<b>Host Species:</b>	Rabbit

**Product Details**

<b>Background:</b>	SOX4 belongs to the SOX family of transcription factors. These transcription factors are characterized by the conserved HMG (high mobility group) DNA binding domain and are involved in embryonic development. SOX4 has been shown to be important for the development of the cardiac outflow tract and of the internal nervous system. SOX 4 may also be involved in the apoptosis pathway where it can either lead to cell death or to tumorigenesis, and has been associated with several human cancer types. Anti-SOX4 Antibody is ideal for research in Cell Differentiation and Development, Gene Expression, Apoptosis and Cancer.
<b>Synonyms:</b>	Transcription factor SOX-4, EVI16, Sex determining region Y box 4
<b>Host Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	Antiserum

**Target Details**

<b>Gene Name:</b>	SOX4
<b>Reactivity:</b>	Human
<b>Immunogen Type:</b>	Conjugated Peptide
<b>Immunogen:</b>	Anti-SOX4 Antibody was produced in rabbits by repeated immunizations with two different synthetic peptides of human SOX4 containing an amino acid sequence from the N-terminus and C-terminus of the protein respectively.

**Purity/Specificity:** Anti-SOX4 Antibody is monospecific antiserum processed by delipidation and defibrination followed by sterile filtration. Cross reactivity with SOX4 from other species not tested.

**Relevant Links:**

- [UniProtKB - Q06945](#)
- [GeneID - 6659](#)
- [NCBI - NP\\_003098.1](#)

## Application Details

**Tested Applications:** ELISA, WB

**Application Note:** Anti-SOX4 Antibody has been tested by ELISA and Western Blots. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 47 kDa 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:** 1:100 - 1:1,000

**WB:** 1:4,000

## Formulation

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

**Concentration:** Neat neat

**Buffer:** None

**Preservative:** 0.05% (w/v) Sodium Azide

**Stabilizer:** None

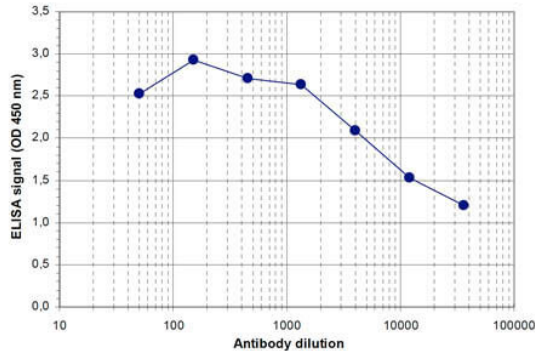
## Shipping & Handling

**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.

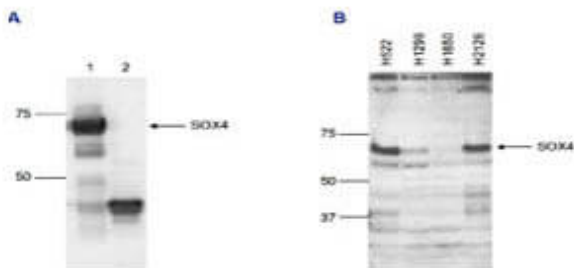
**Expiration:** Expiration date is one (1) year from date of receipt.

## Images



### ELISA

ELISA results of Rabbit anti-SOX4 antibody. Antigen: BSA conjugated SOX4. Coating amount: 0.1 µg per well. Dilution series: serial dilution. Estimated Antibody Titer to be 1:18,000. Substrate: TMB (p/n TMBE-1000).



### Western Blot

Western Blot results of Rabbit anti-SOX4 antibody. (Image A) Lane 1: H1299 lung carcinoma cells transfected with HA-tagged SOX4. Lane 2: H1299 lung carcinoma cells transfected with HA-tagged truncated SOX4 (395X mutant). (Image B) Lane 1: H522 lung carcinoma lysates. Lane 2: H1299 lung carcinoma lysates. Lane 3: H1650 lung carcinoma lysates. Lane 4: H2126 lung carcinoma lysates. Primary antibody: SOX4 antibody at 1:4,000 overnight at 4°C. Secondary antibody: Goat anti-rabbit HRP antibody at 1:10,000 for 45 min at RT. Block: 2% Blotto/TBST overnight at 4°C. Image by M. Sanchez-Céspedes and S. Castillo Diez; Catalan Institute of Oncology, Barcelona, Spain.

## 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.