

**Datasheet for 600-401-ES3****SOX17 Antibody****Overview**

|                      |                                            |
|----------------------|--------------------------------------------|
| <b>Description:</b>  | Anti-SOX17 (RABBIT) Antibody - 600-401-ES3 |
| <b>Item No.:</b>     | 600-401-ES3                                |
| <b>Size:</b>         | 100 µg                                     |
| <b>Applications:</b> | ELISA, IF, WB                              |
| <b>Reactivity:</b>   | Human, Mouse, Rat                          |
| <b>Host Species:</b> | Rabbit                                     |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <b>Background:</b>   | SOX17 is a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate (1,2). SOX17 is part of the SoxF subgroup which plays an important role in the differentiation of different cell types, including visceral and definitive endoderm and hematopoietic cell types (3,4). SOX17 is also essential for acquisition and maintenance of arterial identity (5). |
| <b>Synonyms:</b>     | SOX17 Antibody, VUR3, Transcription factor SOX-17                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

**Target Details**

|                            |                                                                                                                                                                                                                         |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name:</b>          | SOX17                                                                                                                                                                                                                   |
| <b>Reactivity:</b>         | Human, Mouse, Rat                                                                                                                                                                                                       |
| <b>Immunogen Type:</b>     | Conjugated Peptide                                                                                                                                                                                                      |
| <b>Immunogen:</b>          | Anti-SOX17 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid peptide near the internal region of human SOX17.                                                       |
| <b>Purity/Specificity:</b> | Anti-SOX17 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. SOX17 antibody is human, mouse and rat reactive. SOX17 is predicted to not cross-react with other SOX proteins. |

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| <b>Relevant Links:</b> | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q9H6I2</a></li><li>• <a href="#">GeneID - 64321</a></li><li>• <a href="#">NCBI - NP_071899.1</a></li></ul> |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Application Details

|                             |                                                                                                                                                                                                                                                                     |
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| <b>Tested Applications:</b> | ELISA, IF, WB                                                                                                                                                                                                                                                       |
| <b>Application Note:</b>    | Anti-SOX17 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 44 kDa in Western Blots of specific cell lysates and tissues. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                     |
| <b>ELISA:</b>               | 1:10,000-1:20,000                                                                                                                                                                                                                                                   |
| <b>IF:</b>                  | 20 µg/mL                                                                                                                                                                                                                                                            |
| <b>WB:</b>                  | 1-2 µg/mL                                                                                                                                                                                                                                                           |

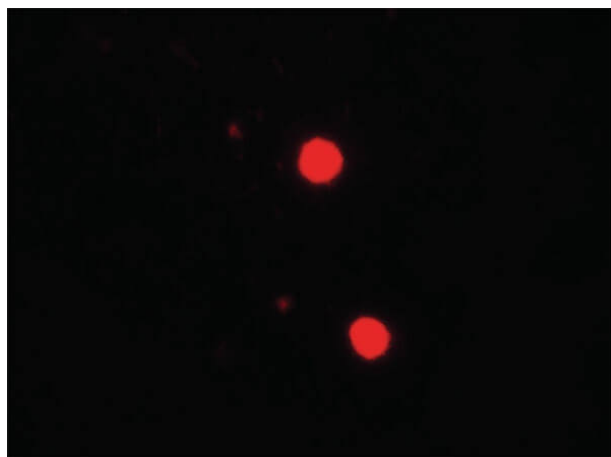
## Formulation

|                        |                                                         |
|------------------------|---------------------------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)                               |
| <b>Concentration:</b>  | 1.0 mg/mL by UV absorbance at 280 nm                    |
| <b>Buffer:</b>         | 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>   | 0.02% (w/v) Sodium Azide                                |
| <b>Stabilizer:</b>     | None                                                    |

## Shipping & Handling

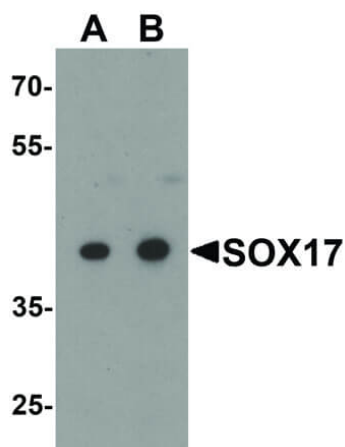
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| <b>Shipping Condition:</b> | Dry Ice                                                                                                                                                                                                                                                                                                                                       |
| <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>Expiration:</b>         | Expiration date is one (1) year from date of receipt.                                                                                                                                                                                                                                                                                         |

## Images



### Immunofluorescence Microscopy

Immunofluorescence Microscopy of Rabbit anti-SOX17 antibody. Tissue: mouse liver. Primary antibody: SOX17 antibody at 20 µg/mL. Secondary antibody: Fluorescein rabbit secondary antibody at 1:20,000. Localization: SOX17 is nuclear. Staining: SOX17 as red fluorescent signal.



### Western Blot

Western Blot of Rabbit anti-SOX17 antibody. Lane A: HepG2 cell lysate at 0.5 µg/mL. Lane B: HepG2 cell lysate at 1 µg/mL. Primary antibody: SOX17 antibody overnight at 4°C. Secondary antibody: Rabbit secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 46 kDa, 42 kDa for SOX17.

## 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.