

Datasheet for 600-401-FM3**TOX Antibody****Overview**

Description:	Anti-TOX (RABBIT) Antibody - 600-401-FM3
Item No.:	600-401-FM3
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	TOX (thymocyte selection-associated high mobility group (HMG) box protein) is a member of the HMG box family of DNA-binding proteins and likely plays a role in the regulation of T-cell development. It is a 526 amino acid nuclear protein and the expression of TOX is upregulated by pre-T cell receptor (pre-TCR) and TCR activation in immature thymocytes. TOX-mediated positive selection is associated with up-regulation of RUNX3 and is calcineurin dependent. TOX-dependent transition to the CD4+CD8 stage is required for development of class II major histocompatibility complex-specific T cells.
Synonyms:	TOX Antibody, TOX1, KIAA0808, Thymocyte selection-associated high mobility group box protein TOX, Thymus high mobility group box protein TOX
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TOX
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-TOX antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide near the N-terminus of human TOX.

Purity/Specificity: Anti-TOX Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. No alternatively spliced transcript variants have been observed.

Relevant Links:

- [UniProtKB - O94900](#)
- [GeneID - 9760](#)
- [NCBI - NP_055544.1](#)

Application Details

Tested Applications: ELISA, IF, WB

Application Note: Anti-TOX 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 58 kDa in Western Blots of specific cell lysates and tissues.

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

ELISA: 1:10,000 - 1:20,000

IF: 20 µg/mL

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

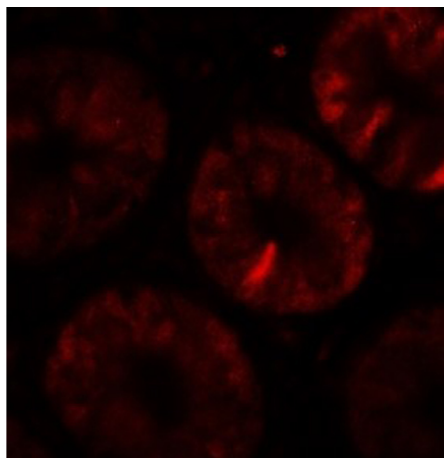
Shipping & Handling

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

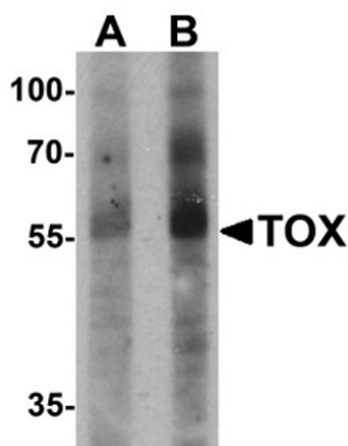


Immunofluorescence Microscopy

Immunofluorescence of TOX.

Tissue: human colon tissue.

Primary Antibody: TOX antibody at 20 µg/mL.



Western Blot

Western blot analysis of TOX.

Load: human colon tissue lysate.

Primary Antibody: TOX antibody at (A) 1 and (B) 2 µg/mL.

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.