

Datasheet for 600-401-FG7**TLX1 Antibody****Overview**

Description:	Anti-TLX1 (RABBIT) Antibody - 600-401-FG7
Item No.:	600-401-FG7
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The Hox proteins play a role in patterns of embryonic development and cellular differentiation by regulating downstream target genes. TLX1, also called homeobox11 (HOX11), as it is located outside of the four mammalian Hox clusters, is a DNA-binding nuclear transcription factor. TLX1 encodes a homeobox-domain containing protein and is containing a glycine and proline-rich amino terminus. TLX1 is required for maintenance of the developing spleen and cell survival. TLX1 is highly expressed in T-cell leukemia and lymphoid neoplasias as a result of translocation. TLX1-deficient mice have no spleen.
Synonyms:	TLX1 Antibody, TCL3, HOX11, TCL3, T-cell leukemia homeobox protein 1, Homeobox protein Hox-11
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TLX1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-TLX1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid peptide near the N-terminus of human TLX1.

Purity/Specificity: Anti-TLX1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Multiple isoforms of TLX1 exist due to alternative splicing events. TLX1 antibody is predicted to not cross-react with other TLX proteins.

Relevant Links:

- [UniProtKB - P31314](#)
- [GeneID - 3195](#)
- [NCBI - NP_001182446.1](#)

Application Details

Tested Applications: ELISA, IHC, WB

Application Note: Anti-TLX1 Antibody has been tested for use in ELISA, Western Blotting, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 34 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

IHC: User Optimized

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0mg/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

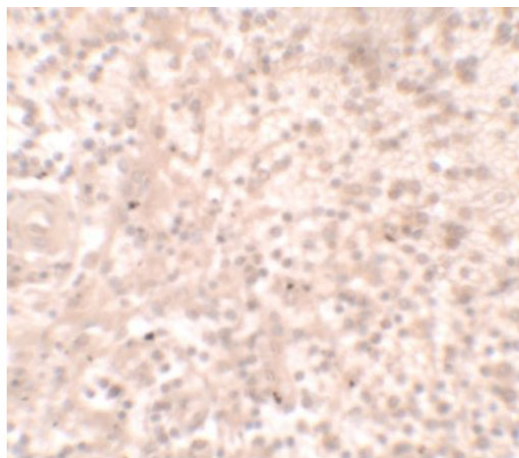
Shipping & Handling

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

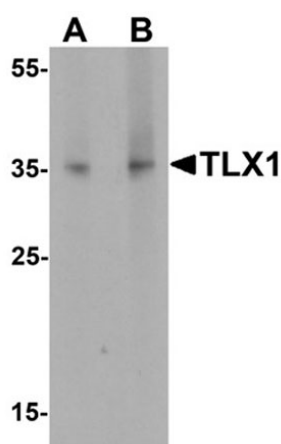


Immunohistochemistry

Immunohistochemistry of TLX1.

Tissue: human spleen tissue.

Primary Antibody: TLX1 antibody at 2.5 µg/mL.



Western Blot

Western blot of TLX1.

Load: mouse spleen tissue lysate.

Primary Antibody: TLX1 antibody at (A) 1 µg/mL 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.