

Datasheet for 600-401-FG9**TLX3 Antibody****Overview**

Description:	Anti-TLX3 (RABBIT) Antibody - 600-401-FG9
Item No.:	600-401-FG9
Size:	100 µg
Applications:	ELISA, IF, 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. TLX3, also known as homeobox11-like1 (HOX11L2), is a DNA-binding nuclear transcription factor that is expressed in a subset of the primary sensory nervous system. TLX3, along with the related TLX1, is a selector transcription factor that promotes an excitatory glutamatergic neuronal phenotype over an inhibitory GABAergic phenotype opposing LBX1 signals during dorsal spinal cord development. Chromosomal translocations of the TLX3 gene have been shown to result in some forms of T-cell acute lymphoblastic leukemia (T-ALL).
Synonyms:	TLX3 Antibody, RNX, HOX11L2, T-cell leukemia homeobox protein 3, Homeobox protein Hox-11L2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TLX3
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-TLX3 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid peptide near the N-terminus of human TLX3.

Purity/Specificity: Anti-TLX3 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. TLX3 antibody is predicted to not cross-react with other TLX proteins.

Relevant Links:

- [UniProtKB - O43711](#)
- [GeneID - 30012](#)
- [NCBI - NP_066305.2](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-TLX3 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 32 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: 1:5000 - 1:10000

IF: User Optimized

IHC: User Optimized

WB: 0.5-1 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

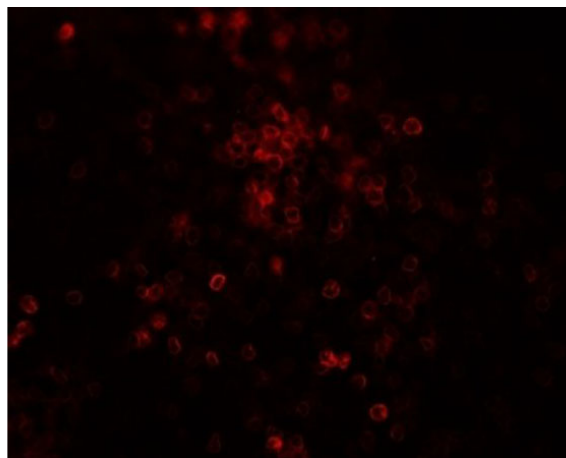
Shipping & Handling

Shipping Condition: Wet Ice

Storage Condition: Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

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

Images

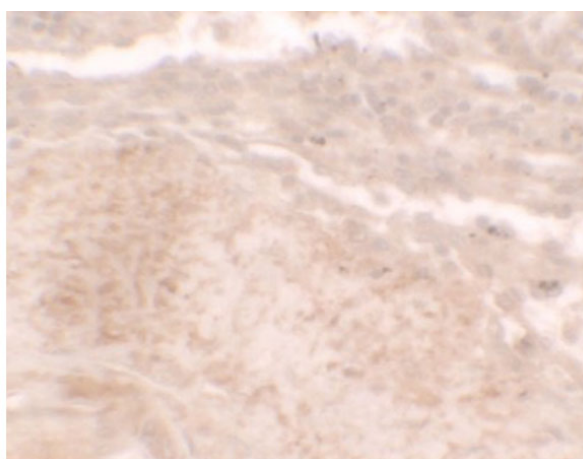


Immunofluorescence Microscopy

Immunofluorescence of TLX3.

Tissue: human spleen tissue.

Primary Antibody: TLX3 antibody at 20 µg/mL.

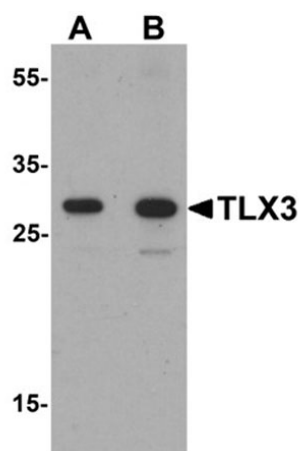


Immunohistochemistry

Immunohistochemistry of TLX3.

Tissue: human spleen tissue.

Primary Antibody: TLX3 antibody at 2.5 µg/mL.



Western Blot

Western blot of TLX3.

Load: human spleen tissue lysate.

Primary Antibody: TLX3 antibody at (A) 0.5 and (B) 1 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.