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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

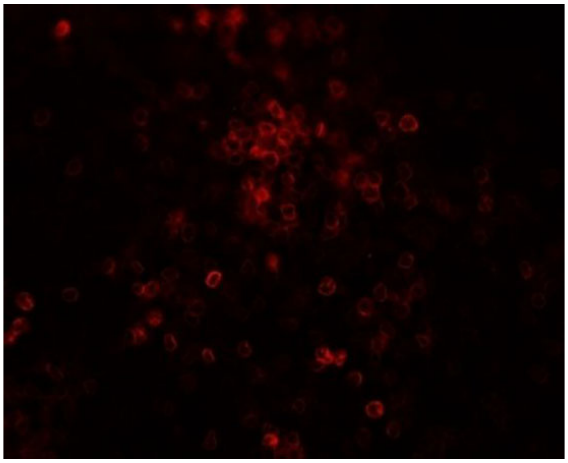
Formulation

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

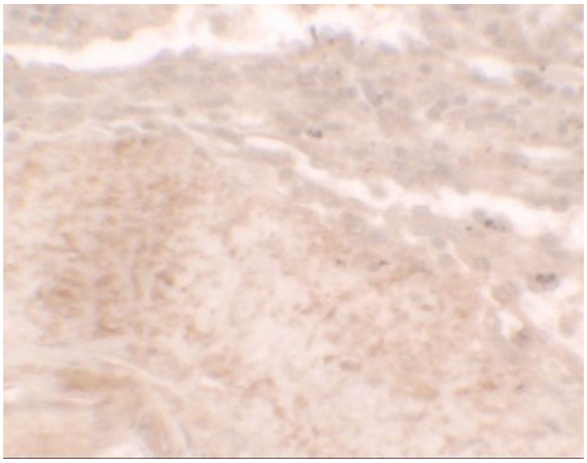
Shipping & Handling

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.

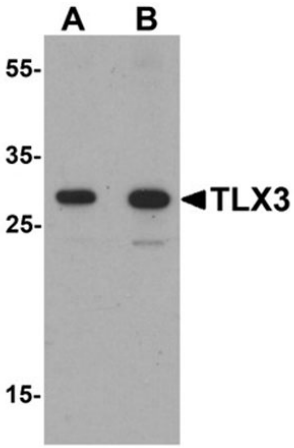
Images



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

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