BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
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# Anti-TLX3 Antibody

**Catalog Number:** A14535

## About TLX3

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).

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## Overview

| | |
|---|---|
| Product Name | Anti-TLX3 Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-TLX3 Antibody (Catalog # A14535). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat. |
| Application | ELISA, IF, IHC-P, WB |
| Clonality | Polyclonal |
| Formulation | TLX3 Antibody is supplied in PBS containing ≤0.09% sodium azide. |
| Storage Instructions | TLX3 antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures. |
| Host | Rabbit |
| Uniprot ID | O43711 |

## Technical Details

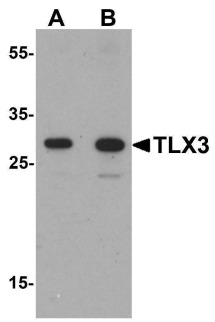
| | |
|---|---|
| Immunogen | TLX3 antibody was raised against a 16 amino acid peptide near the amino terminus of human TLX3. The immunogen is located within the first 50 amino acids of TLX3. |
| Predicted Reactive Species | Rabbit |
| Cross Reactivity | TLX3 antibody is predicted to not cross-react with other TLX proteins. |

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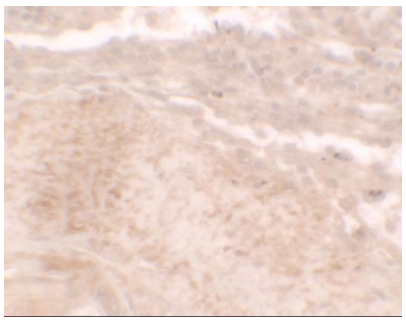
| | |
|---|---|
| Isotype | IgG |
| Form | Liquid |
| Concentration | 1 mg/mL |
| Purification | TLX3 Antibody is affinity chromatography purified via peptide column. |
| Suggested Dilutions | TLX3 antibody can be used for detection of TLX3 by Western blot at 0.5 - 1 ug/mL.<br>Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher. |

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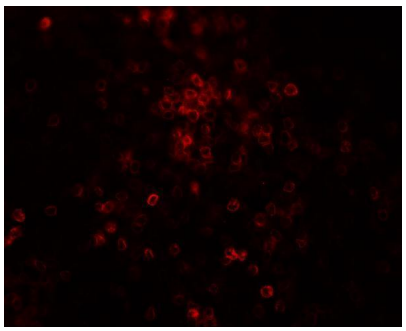
# Anti-TLX3 Antibody (A14535) Images




Western blot analysis of TLX3 in human spleen tissue lysate with TLX3 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunohistochemistry of TLX3 in human spleen tissue with TLX3 antibody at 2.5 ug/ml.



Immunofluorescence of TLX3 in human spleen tissue with TLX3 antibody at 20 ug/ml.

Anti-TLX3 Antibody

For Research Use Only. Not for use in diagnostic procedures.