

## TLX3 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant TLX3.

Catalog # AT4261a

### Specification

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#### TLX3 Antibody (monoclonal) (M02) - Product Information

Application	WB, E
Primary Accession	<a href="#">O43711</a>
Other Accession	<a href="#">NM_021025</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	31867

#### TLX3 Antibody (monoclonal) (M02) - Additional Information

**Gene ID** 30012

#### Other Names

T-cell leukemia homeobox protein 3, Homeobox protein Hox-11L2, TLX3, HOX11L2

#### Target/Specificity

TLX3 (NP\_066305, 192 a.a. ~ 291 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

#### Dilution

WB~~1:500~1000

#### Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

#### Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

#### Precautions

TLX3 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

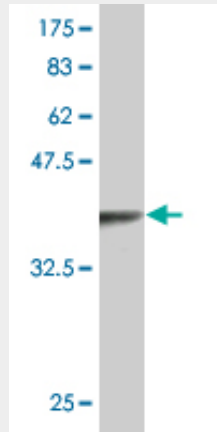
#### TLX3 Antibody (monoclonal) (M02) - Protocols

Provided below are standard protocols that you may find useful for product applications.

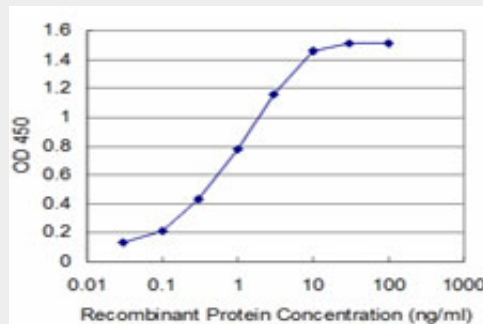
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### TLX3 Antibody (monoclonal) (M02) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 kDa) .



Detection limit for recombinant GST tagged TLX3 is approximately 0.03ng/ml as a capture antibody.

### TLX3 Antibody (monoclonal) (M02) - Background

RNX (HOX11L2, TLX3) belongs to a family of orphan homeobox genes that encode DNA-binding nuclear transcription factors. Members of the HOX11 gene family are characterized by a threonine-47 replacing cytosine in the highly conserved homeodomain (Dear et al., 1993 [PubMed 8099440]).

### TLX3 Antibody (monoclonal) (M02) - References

Thymic adult T-cell acute lymphoblastic leukemia stratified in standard- and high-risk group by aberrant HOX11L2 expression: experience of the German multicenter ALL study group. Baak U, et al. *Leukemia*, 2008 Jun. PMID 18368072. Cooperative genetic defects in TLX3 rearranged pediatric T-ALL. Van Vlierberghe P, et al. *Leukemia*, 2008 Apr. PMID 18185524. Activation of TLX3 and NKX2-5 in t(5;14)(q35;q32) T-cell acute lymphoblastic leukemia by remote 3'-BCL11B enhancers and coregulation by PU.1 and HMGA1. Nagel S, et al. *Cancer Res*, 2007 Feb 15. PMID 17308084. Nuclear factor Y drives basal transcription of the human TLX3, a gene overexpressed in T-cell acute lymphocytic leukemia. Borghini S, et al. *Mol Cancer Res*, 2006 Sep. PMID 16966433. Significance of HOX11L2/TLX3 expression in children with T-cell acute lymphoblastic leukemia treated on Children's Cancer Group protocols. Gottardo NG, et al. *Leukemia*, 2005 Sep. PMID 15990867.