

TLX3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant TLX3.

Catalog # AT4260a

Specification

TLX3 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	O43711
Other Accession	NM_021025
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	31867

TLX3 Antibody (monoclonal) (M01) - 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) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

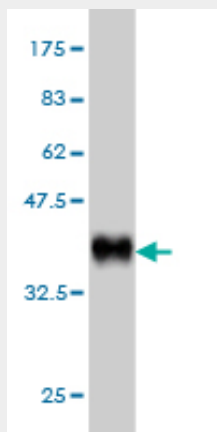
TLX3 Antibody (monoclonal) (M01) - Protocols

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

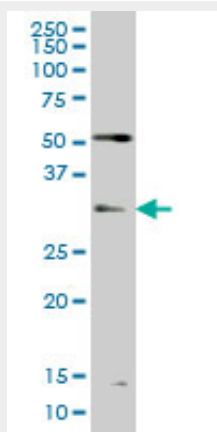
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

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

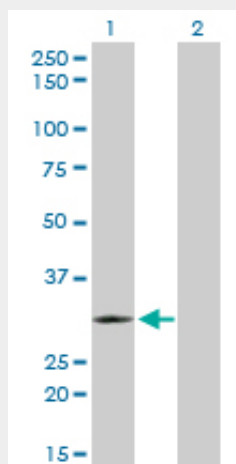
TLX3 Antibody (monoclonal) (M01) - Images



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

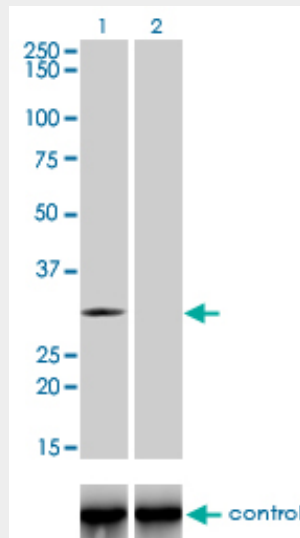


TLX3 monoclonal antibody (M01), clone 2A3 Western Blot analysis of TLX3 expression in MCF-7 (Cat # AT4260a)

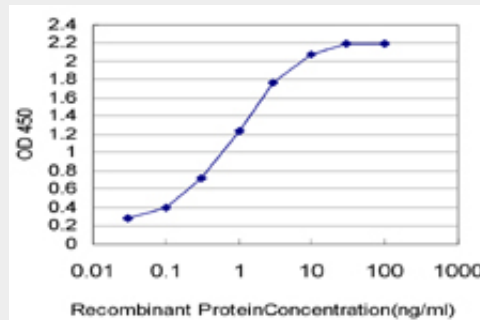


Western Blot analysis of TLX3 expression in transfected 293T cell line by TLX3 monoclonal antibody (M01), clone 2A3.

Lane 1: TLX3 transfected lysate(31.9 KDa).
Lane 2: Non-transfected lysate.



Western blot analysis of TLX3 over-expressed 293 cell line, cotransfected with TLX3 Validated Chimera RNAi (Cat # AT4260a)



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

TLX3 Antibody (monoclonal) (M01) - 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) (M01) - 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 HMGAI. 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.