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TLX3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant TLX3.
Catalog # AT4260a

Product Information

Application	WB, E
Primary Accession	O43711
Other Accession	NM_021025
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	2A3
Calculated MW	31867

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 E~~N/A
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.

Background

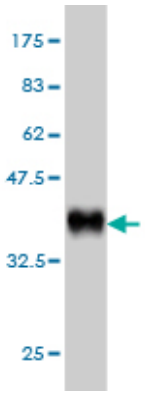
RNX (HOX11L2, TLX3) belongs to a family of orphan homeobox genes that encode DNA-binding nuclear transcription factors. Members of the HOX11 gene family are characterized by a threonine-47 replacing cytosine in the highly conserved homeodomain (Dear et al., 1993 [PubMed 8099440]).

References

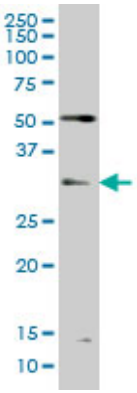
Thymic adult T-cell acute lymphoblastic leukemia stratified in standard- and high-risk group by aberrant HOX11L2 expression: experience of the German multicenter ALL study group. Baak U, et al. Leukemia, 2008 Jun. PMID 18368072.Cooperative genetic defects in TLX3 rearranged pediatric T-ALL. Van Vlierberghe 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.

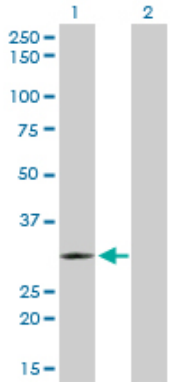
Images



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

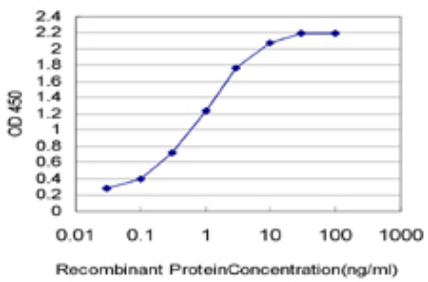


TLX3 monoclonal antibody (M01), clone 2A3 Western Blot analysis of TLX3 expression in MCF-7 ((Cat # AT4260a)



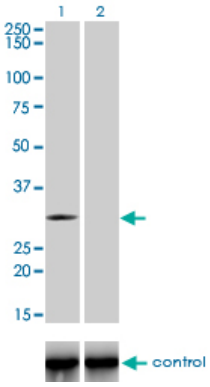
Western Blot analysis of TLX3 expression in transfected 293T cell line by TLX3 monoclonal antibody (M01), clone 2A3.

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



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

Western blot analysis of TLX3 over-expressed 293 cell



line, cotransfected with TLX3 Validated Chimera RNAi (
(Cat # AT4260a)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.