abcam

Product datasheet

Anti-Tcl1 antibody [TCL1/2079] ab268137

4 Images

Overview

Product name	Anti-Tcl1 antibody [TCL1/2079]
Description	Mouse monoclonal [TCL1/2079] to Tcl1
Host species	Mouse
Tested applications	**Suitable for:** WB, IHC-P, Protein Array
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant fragment within Human Tcl1 aa 2-109. The exact sequence is proprietary. Database link: **P56279**
Positive control	IHC-P: Human lymph node and tonsil tissue. WB: Raji cell lysate.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As |

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2
Preservative: 0.05% Sodium azide
Constituents: PBS, 0.05% BSA
Purity	Protein A/G purified
Purification notes	Purified from Bioreactor concentrate
Clonality	Monoclonal
Clone number	TCL1/2079
Isotype	IgG2a
Light chain type	kappa

Applications

Our **Abpromise guarantee** covers the use of ab268137 in the following tested applications.
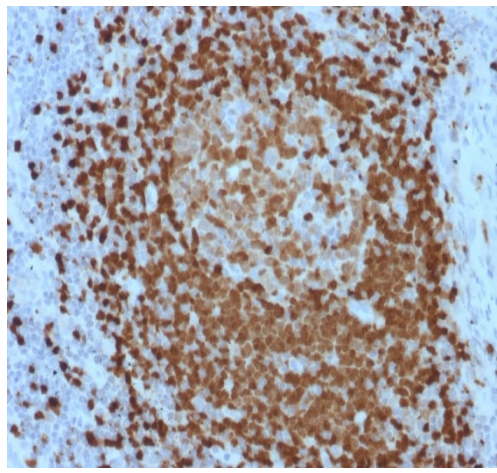
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 13 kDa.
IHC-P		Use a concentration of 1 - 2 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
Protein Array		Use at an assay dependent concentration.

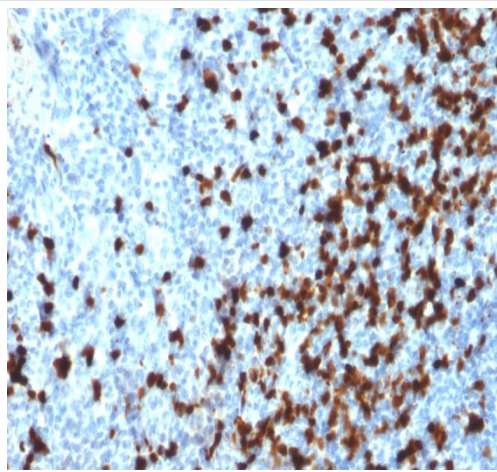## Target

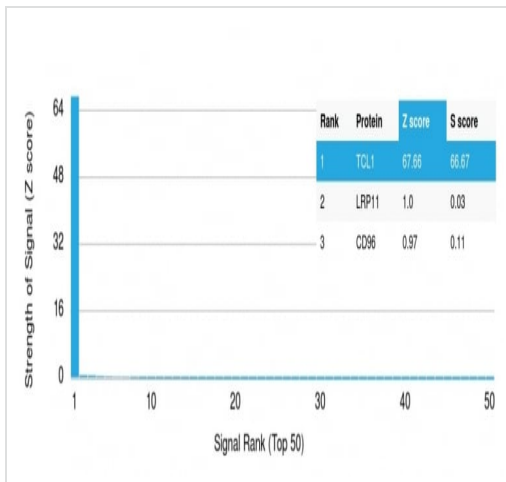|	
Function	Enhances the phosphorylation and activation of AKT1, AKT2 and AKT3. Promotes nuclear translocation of AKT1. Enhances cell proliferation, stabilizes mitochondrial membrane potential and promotes cell survival.
Tissue specificity	Restricted in the T-cell lineage to immature thymocytes and activated peripheral lymphocytes. Preferentially expressed early in T- and B-lymphocyte differentiation.
Involvement in disease	Note=Chromosomal aberrations activating TCL1A are found in chronic T-cell leukemias (T-CLL). Translocation t(14;14)(q11;q32); translocation t(7;14)(q35;q32); inversion inv(14)(q11;q32) that involves the T-cell receptor alpha/delta loci.
Sequence similarities	Belongs to the TCL1 family.
Cellular localization	Cytoplasm. Nucleus. Microsome. Endoplasmic reticulum. Microsomal fraction.

Images

Formalin-fixed, paraffin-embedded human lymph node tissue stained for Tcl1 using ab268137 at 2 µg/ml in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tcl1 antibody [TCL1/2079] (ab268137)

Formalin-fixed, paraffin-embedded human tonsil tissue stained for Tcl1 using ab268137 at 2 µg/ml in immunohistochemical analysis.

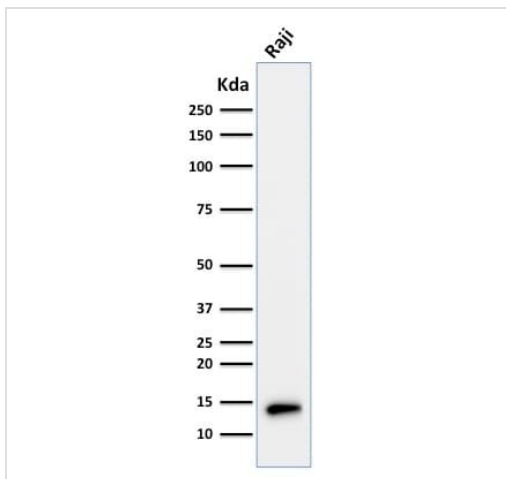Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tcl1 antibody [TCL1/2079] (ab268137)

Protein Array - Anti-Tcl1 antibody [TCL1/2079] (ab268137)

Rank	Protein	Z score	S score
1	TCL1	67.66	66.67
2	LRP11	1.0	0.03
3	CD96	0.97	0.11

Protein Array containing more than 19,000 full-length human proteins using ab268137. Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt^{TM} array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt^{TM} are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

Western blot - Anti-Tcl1 antibody [TCL1/2079] (ab268137)

Anti-Tcl1 antibody [TCL1/2079] (ab268137) at 2 µg/ml + Raji (Human Burkitt's lymphoma cell line) cell lysate

Predicted band size: 13 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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