

# Anti-Tcl1 antibody [EPR3949] ab108978

重组 RabMAb

★★★★☆ **3 Abreviews** **1 References** **13 图像**

### 概述

产品名称	Anti-Tcl1 抗体[EPR3949]
描述	兔单克隆抗体[EPR3949] to Tcl1
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, IHC-P, ICC/IF
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Daudi and ramos cell lysates Human tonsil tissue Ramos whole cell lysates Jurkat (human acute T cell leukemia)
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS, 0.05% BSA
纯度	Protein A purified
克隆	单克隆

克隆编号 EPR3949

同种型 IgG

## 应用

**The Abpromise guarantee** **Abpromise™**承诺保证使用ab108978于以下的经测试应用

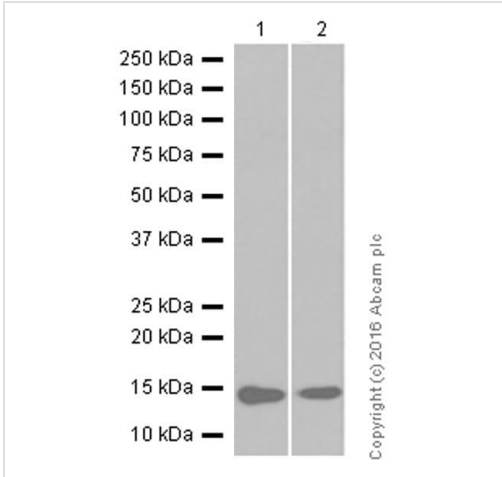
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/400. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody. Unpurified format: 1/100 - 1/1000.
WB		1/1000 - 1/10000. Predicted molecular weight: 13 kDa.
IHC-P	★★★★☆ (2)	1/100 - 1/700. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. Perform antigen retrieval
ICC/IF		1/100 - 1/250.

## 靶标

功能	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.
组织特异性	Restricted in the T-cell lineage to immature thymocytes and activated peripheral lymphocytes. Preferentially expressed early in T- and B-lymphocyte differentiation.
疾病相关	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.
序列相似性	Belongs to the TCL1 family.
细胞定位	Cytoplasm. Nucleus. Microsome. Endoplasmic reticulum. Microsomal fraction.

## 图片



Western blot - Anti-Tcl1 antibody [EPR3949]  
(ab108978)

**All lanes :** Anti-Tcl1 antibody [EPR3949] (ab108978) at 1/1000 dilution

**Lane 1 :** Ramos (human Burkitt's lymphoma) whole cell lysate

**Lane 2 :** Daudi (human Burkitt's lymphoma) whole cell lysate

Lysates/proteins at 20 µg per lane.

#### Secondary

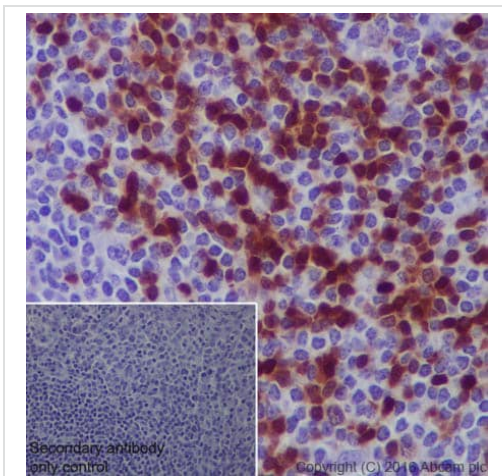
**All lanes :** Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/2000 dilution

**Predicted band size:** 13 kDa

**Additional bands at:** 13 kDa. We are unsure as to the identity of these extra bands.

**Blocking buffer:** 5% NFDm/TBST

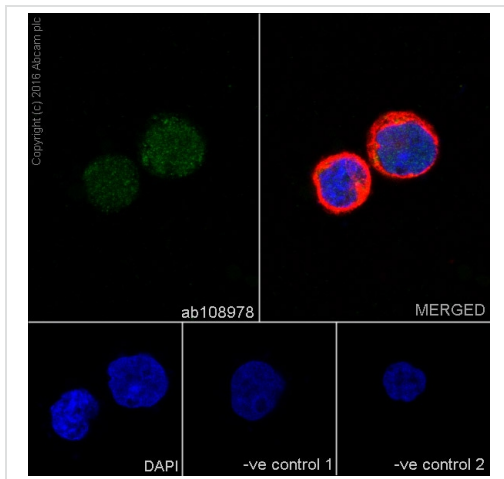
**Diluting buffer:** 5% NFDm/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tcl1 antibody [EPR3949]  
(ab108978)

ab108978 staining Tcl1 in human tonsil tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with paraformaldehyde and antigen retrieval was by heat mediation in a EDTA buffer. Samples were incubated with primary antibody at a dilution of 1/700. A goat anti-rabbit IgG H&L (HRP) **ab97051** was used as the secondary antibody at 1/500.

**Negative control 1:** PBS in place of primary antibody.

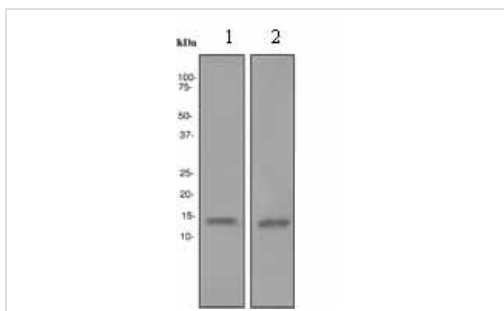


Immunocytochemistry/ Immunofluorescence - Anti-Tc1 antibody [EPR3949] (ab108978)

ab108978 staining Tc1 in Jurkat (human acute T cell leukemia) cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with 4% Paraformaldehyde and permeabilized with 0.1% Triton X-100. Samples were incubated with primary antibody at a dilution of 1/200. A goat anti rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) was used as the secondary antibody at 1/1000. [ab7291](#) and [ab150120](#) were used as counterstains for primary antibody ab108978 and secondary antibody [ab150077](#) respectively and DAPI was used as a nuclear counterstain.

**Negative control 1:** Rabbit primary antibody and anti-mouse secondary antibody ([ab150120](#))

**Negative control 2:** Mouse primary antibody ([ab7291](#)) and anti-rabbit secondary antibody ([ab150077](#))



Western blot - Anti-Tc1 antibody [EPR3949] (ab108978)

**All lanes :** Anti-Tc1 antibody [EPR3949] (ab108978) at 1/1000 dilution

**Lane 1 :** Daudi cell lysate

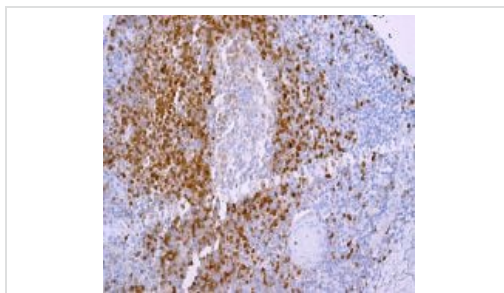
**Lane 2 :** Ramos cell lysates

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes :** Standard HRP labelled goat anti-goat. at 1/2000 dilution

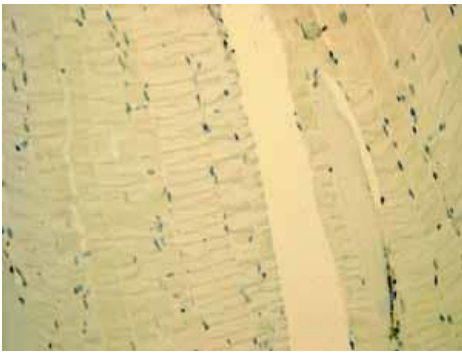
**Predicted band size:** 13 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tc1 antibody [EPR3949] (ab108978)

Immunohistochemical analysis of paraffin-embedded Human tonsil tissue using ab108978.

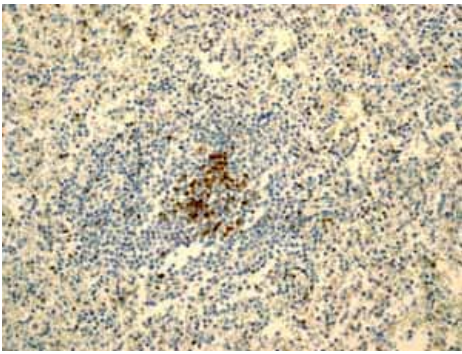
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tcl1 antibody [EPR3949] (ab108978)

ab108978 showing negative staining in Skeletal muscle tissue.

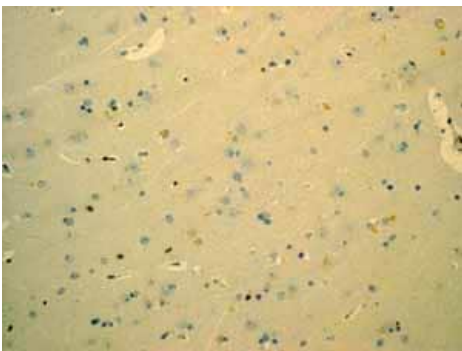
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tcl1 antibody [EPR3949] (ab108978)

ab108978 showing positive staining in Normal spleen tissue.

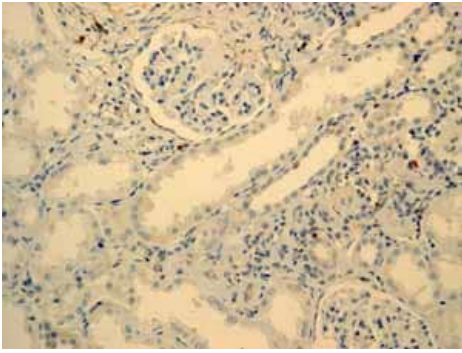
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tcl1 antibody [EPR3949] (ab108978)

ab108978 showing negative staining in Normal brain tissue.

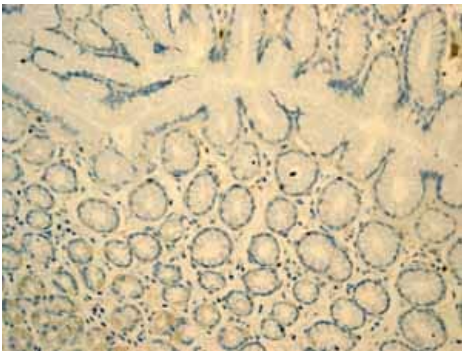
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tcl1 antibody [EPR3949] (ab108978)

ab108978 showing negative staining in Normal kidney tissue.

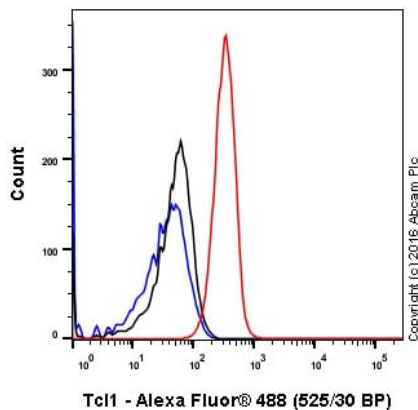
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tcl1 antibody [EPR3949] (ab108978)

ab108978 showing negative staining in Normal stomach tissue.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

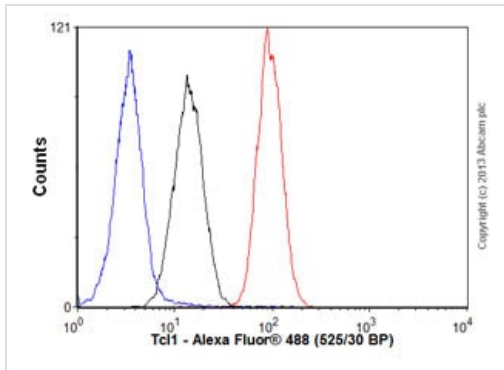


Flow Cytometry (Intracellular) - Anti-Tcl1 antibody [EPR3949] (ab108978)

ab108978 staining Tcl1 in the human cell line Ramos (human Burkitt's lymphoma) by intracellular flow cytometry. Cells were fixed with 4% paraformaldehyde and the sample was incubated with the primary antibody at a dilution of 1/400. A goat anti rabbit IgG (Alexa Fluor® 488) at a dilution of 1/2000 was used as the secondary antibody.

Isootype control: Rabbit monoclonal IgG (Black)

Unlabelled control: Cell without incubation with primary antibody and secondary antibody (Blue)



Flow Cytometry (Intracellular) - Anti-Tc1 antibody [EPR3949] (ab108978)

Overlay histogram showing Ramos cells stained with ab108978 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab108978, 1/1000 dilution) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H&L) (**ab150077**) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (0.1µg/1x10<sup>6</sup> cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter. This antibody gave a positive signal in Ramos cells fixed with 4% paraformaldehyde (10 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-Tc1 antibody [EPR3949] (ab108978)

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