

**Goat Anti-TCL1A Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2075a****Specification**

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**Goat Anti-TCL1A Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">P56279</a>
Other Accession	<a href="#">NP_068801</a> , <a href="#">8115</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	13460

**Goat Anti-TCL1A Antibody - Additional Information****Gene ID** 8115**Other Names**

T-cell leukemia/lymphoma protein 1A, Oncogene TCL-1, Oncogene TCL1, Protein p14 TCL1, TCL1A, TCL1

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-TCL1A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-TCL1A Antibody - Protein Information****Name** TCL1A**Synonyms** TCL1**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.

**Cellular Location**

Cytoplasm. Nucleus. Microsome. Endoplasmic reticulum. Note=Microsomal fraction

**Tissue Location**

Restricted in the T-cell lineage to immature thymocytes and activated peripheral lymphocytes. Preferentially expressed early in T- and B-lymphocyte differentiation

**Goat Anti-TCL1A Antibody - 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](#)

**Goat Anti-TCL1A Antibody - Images**

AF2075a (0.1 µg/ml) staining of Jurkat Cell lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**Goat Anti-TCL1A Antibody - Background**

Overexpression of the TCL1 gene in humans has been implicated in the development of mature T cell leukemia, in which chromosomal rearrangements bring the TCL1 gene in close proximity to the T-cell antigen receptor (TCR)-alpha (MIM 186880) or TCR-beta (MIM 186930) regulatory elements (summarized by Virgilio et al., 1998 [PubMed 9520462]). In normal T cells TCL1 is expressed in CD4-/CD8- cells, but not in cells at later stages of differentiation. TCL1 functions as a coactivator of the cell survival kinase AKT (MIM 164730) (Laine et al., 2000 [PubMed 10983986]).

**Goat Anti-TCL1A Antibody - References**

TCL1 protein expression in testicular germ cell tumors. Lau SK, et al. Am J Clin Pathol, 2010 May. PMID 20395523.

T-cell leukemia 1 expression in nodal Epstein-Barr virus-negative diffuse large B-cell lymphoma and primary mediastinal B-cell lymphoma. Gualco G, et al. Hum Pathol, 2010 Sep. PMID 20382409.

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.

CD5+CD23+ leukemic cell populations in TCL1 transgenic mice show significantly increased proliferation and Akt phosphorylation. Efanov A, et al. Leukemia, 2010 May. PMID 20357824.

IGHV3-21 gene usage is associated with high TCL1 expression in chronic lymphocytic leukemia.

Mansouri MR, et al. Eur J Haematol, 2010 Feb 1. PMID 19889012.