

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

Specification

Goat Anti-TCL1A Antibody - Product Information

Application	WB
Primary Accession	P56279
Other Accession	NP_068801 , 8115
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

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.