

Rabbit TCL1A Polyclonal Antibody | anti-TCL1A antibody

TCL1A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325899	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

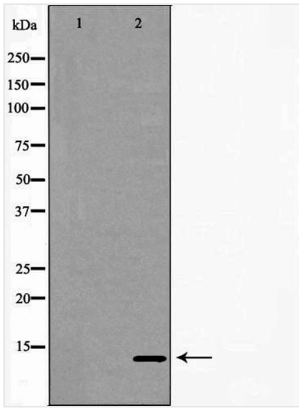
PRODUCT SYNONYMS

TCL1A; Polyclonal Antibody; TCL1A Antibody; Anti TCL1A; Lymphoma/leukemia; T-cell; Oncogene TCL-1; Oncogene TCL1; P14 TCL1; P14 TCL1 protein; Protein p14 TCL1; T cell leukemia 1; T cell lymphoma 1; T cell lymphoma 1A; T-cell leukemia/lymphoma 1A; T-cell leukemia/lymphoma protein 1A; TCL 1 protein; TCL1; TCL1 oncogene; TCL1 PEN; Tcl1a; TCL1A antibody; TCL1A_HUMAN; anti-TCL1A antibody

PRODUCT SPECIFICATIONS

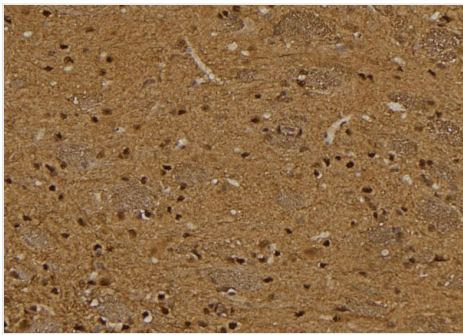
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TCL1A antibody detects endogenous levels of total TCL1A
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	114
Applicable Applications for anti-TCL1A antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TCL1A
Subcellular Location	Cytoplasm. Nucleus. Microsome. Endoplasmic Reticulum. Microsomal Fraction.
Tissue Specificity	Restricted in the T-cell lineage to immature thymocytes and activated peripheral lymphocytes. Preferentially expressed early in T-and B-lymphocyte differentiation.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit
Similarity	Pig (88%), Bovine (88%), Sheep (88%), Rabbit (88%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Ramos lysate using TCL1A antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA325899 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-TCL1A antibody

Description: TCL1 (T cell leukemia 1), MTCP1 and TCL1b belong to the TCL1 proto-oncogene family, and their products are involved in Akt activation during embryonic development, T cell leukemias, prolymphocytic leukemias and B cell lymphomas (1-3). The Akt association domain of TCL1 binds with the PH domain of Akt. The formation of an oligomeric TCL-Akt complex is required for TCL1 coactivator function and results in phosphorylation and activation of Akt. Furthermore, functional analysis indicates that the interaction between TCL1 and Akt promotes translocation of Akt to the nucleus (4-6). These findings are supported by the crystal structure of TCL1, which suggests that TCL1 may participate in molecular transport (7).

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.

Subunit Structure: Homodimer. Interacts with AKT1, AKT2 and AKT3 (via PH domain). Interacts with PNPT1; the interaction has no effect on PNPT1 exonuclease activity.

Similarity: Belongs to the TCL1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148922879
NCBI GeneID	8115
NCBI Accession #	NP_001092195.1
NCBI GenBank Nucleotide #	NM_001098725.1
UniProt Accession #	P56279; Q6IBK7
Molecular Weight	Observed: 13 kDa Predicted: 14 kDa
NCBI Official Full Name	T-cell leukemia/lymphoma protein 1A
NCBI Official Synonym Full Names	T cell leukemia/lymphoma 1A
NCBI Official Symbol	TCL1A
NCBI Official Synonym Symbols	TCL1
NCBI Protein Information	T-cell leukemia/lymphoma protein 1A
UniProt Protein Name	T-cell leukemia/lymphoma protein 1A
UniProt Gene Name	TCL1A
UniProt Synonym Gene Names	TCL1; Oncogene TCL1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tcl1a-antibody-immunohistochemistry-western-blot-elisa/325899>