



## TCL1A Polyclonal Antibody

E90629

- Catalog Number:** E90629
- Amount:** 100ul
- Background:** 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, polymphocytic 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).
- Species:** Rabbit
- Isotype:** IgG
- Storage/Stability:** Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
- Synonyms:** TCL1A;TCL1 ;
- Immunogen:** Recombinant protein of human TCL1A
- Purification:** Affinity purification
- Reactivity:** H M R
- Applications:** WB IHC
- Molecular Weight:** 13kDa
- Swiss-Prot No. :** P56279
- Gene ID:** 8115
- References:** 1. Narducci, M.G. et al. (2002) Proc. Natl. Acad. Sci. USA 99, 11712-11717. 2. Pekarsky, P. et al. (2001) Oncogene 20, 5638-5643. 3. Hoyer, K.K. et al. (2002) Proc. Natl. Acad. Sci. USA 99, 14392-14397. 4. Laine, J. et al. (2000) Mol. Cell 6, 395-407. 5. Laine, J. et al. (2002) J. Biol. Chem. 277, 3743-3751. 6. Křnstle, G. et al. (2002) Mol. Cell. Biol. 22, 1513-1525. 7. Petock, J.M. et al. (2002) Scientific World Journal 2, 1876-1884.

**For Research Use Only**

