# TCL1A Conjugated Antibody

Catalog No: #C32079

Package Size: #C32079-AF350 100ul #C32079-AF405 100ul #C32079-AF488 100ul #C32079-AF555 100ul #C32079-AF594 100ul #C32079-AF647 100ul #C32079-AF680 100ul #C32079-AF750 100ul #C32079-Biotin 100ul

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## Description

| | |
|---|---|
| Product Name | TCL1A Conjugated Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Species Reactivity | Hu |
| Specificity | The antibody detects endogenous level of total TCL1A protein. |
| Immunogen Description | Recombinant protein of human TCL1A. |
| Conjugates | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| Other Names | TCL1A;TCL1 |
| Accession No. | Swiss-Prot#:P56279NCBI Gene ID:8115 |
| Uniprot | P56279 |
| GeneID | 8115; |
| Excitation Emission | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>AF750: 749nm/775nm |
| Calculated MW | 13 |
| Formulation | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| Storage | Store at 4°C in dark for 6 months |

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Product Description

Antibodies were purified by affinity purification using immunogen.

## 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, 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).

Note: This product is for in vitro research use only