

## ARG66750 anti-TdT antibody [SQab20183]

Package: 100 µl  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Recombinant Rabbit Monoclonal antibody [SQab20183] recognizes TdT   |
| Tested Reactivity   | Hu  |
| Tested Application  | IHC-P, WB   |
| Host                | Rabbit  |
| Clonality           | Monoclonal  |
| Clone               | SQab20183   |
| Isotype             | IgG   |
| Target Name         | TdT   |
| Species             | Human   |
| Immunogen           | Synthetic peptide within aa. 1-100 of Human TdT.  |
| Conjugation         | Un-conjugated   |
| Alternate Names     | EC 2.7.7.31; Terminal addition enzyme; Terminal transferase; DNA nucleotidylexotransferase; Terminal deoxynucleotidyltransferase; TDT |

### Application Instructions

|                   |  |                |
|-------------------|--|----------------|
| Application table | Application  | Dilution       |
|                   | IHC-P  | 1:100 - 1:200  |
|                   | WB   | 1:500 - 1:2000 |
| Application Note  | IHC-P: Antigen Retrieval: Heat mediation was performed in Tris/EDTA buffer (pH 9.0).<br>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                |
| Positive Control  | Thymoma tissue.  |                |

### Properties

|                     |   |
|---------------------|---|
| Form                | Liquid  |
| Purification        | Purification with Protein A.  |
| Buffer              | PBS, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.  |
| Preservative        | 0.01% Sodium azide  |
| Stabilizer          | 40% Glycerol and 0.05% BSA  |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

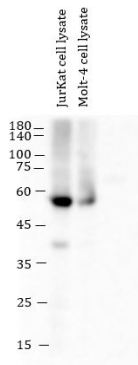
Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

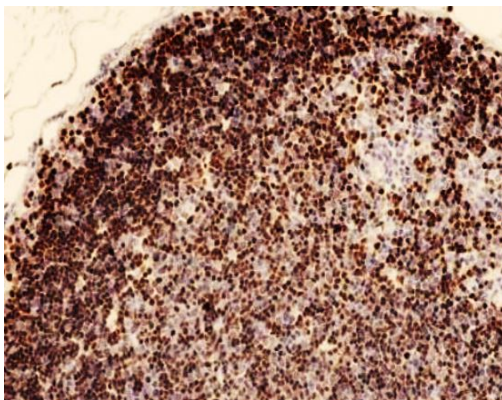
|                       |   |
|-----------------------|---|
| Gene Symbol           | DNTT  |
| Gene Full Name        | DNA nucleotidylexotransferase   |
| Background            | This gene is a member of the DNA polymerase type-X family and encodes a template-independent DNA polymerase that catalyzes the addition of deoxynucleotides to the 3'-hydroxyl terminus of oligonucleotide primers. In vivo, the encoded protein is expressed in a restricted population of normal and malignant pre-B and pre-T lymphocytes during early differentiation, where it generates antigen receptor diversity by synthesizing non-germ line elements (N-regions) at the junctions of rearranged Ig heavy chain and T cell receptor gene segments. Alternatively spliced transcript variants encoding different isoforms of this gene have been described. [provided by RefSeq, Jul 2008] |
| Function              | Template-independent DNA polymerase which catalyzes the random addition of deoxynucleoside 5'-triphosphate to the 3'-end of a DNA initiator. One of the in vivo functions of this enzyme is the addition of nucleotides at the junction (N region) of rearranged Ig heavy chain and T-cell receptor gene segments during the maturation of B- and T-cells. [UniProt]  |
| Calculated Mw         | 59 kDa  |
| Cellular Localization | Nucleus. [UniProt]  |

## Images



ARG66750 anti-TdT antibody [SQab20183] WB image (Customer's Feedback)

Western blot: JurKat and Molt-4 cell lysate stained with ARG66750 anti-TdT antibody [SQab20183] at 1:1000 dilution.



ARG66750 anti-TdT antibody [SQab20183] IHC-P image

Immunohistochemistry: Formalin/PFA-fixed and paraffin-embedded Human thymoma tissue. Antigen Retrieval: Heat mediation was performed in Tris/EDTA buffer (pH 9.0). The tissue section was stained with ARG66750 anti-TdT antibody [SQab20183] at 18°C - 25°C for 30 minutes.