

**TdT Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11561b****Specification**

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**TdT Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P04053</a>
Other Accession	<a href="#">P09838</a> , <a href="#">NP_001017520.1</a> , <a href="#">NP_004079.3</a>
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	58536
Antigen Region	438-467

**TdT Antibody (C-term) - Additional Information****Gene ID** 1791**Other Names**

DNA nucleotidyltransferase, Terminal addition enzyme, Terminal deoxynucleotidyltransferase, Terminal transferase, DNTT, TdT

**Target/Specificity**

This TdT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 438-467 amino acids from the C-terminal region of human TdT.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TdT Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TdT Antibody (C-term) - Protein Information****Name** DNTT

**Synonyms** TDT {ECO:0000303|PubMed:11473582}

**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.

**Cellular Location**

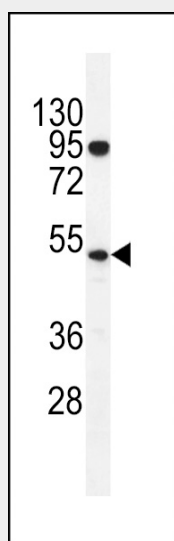
Nucleus.

**TdT Antibody (C-term) - 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](#)

**TdT Antibody (C-term) - Images**



TdT Antibody (C-term) (Cat. #AP11561b) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the TdT antibody detected the TdT protein (arrow).

**TdT Antibody (C-term) - 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.

#### **TdT Antibody (C-term) - References**

Kubota, T., et al. Genes Cells 12(8):941-959(2007)  
O'Malley, D.P., et al. Haematologica 91(8):1139-1140(2006)  
Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006)  
Thai, T.H., et al. J. Immunol. 173(6):4009-4019(2004)  
Liu, L., et al. Am. J. Clin. Pathol. 121(6):810-815(2004)