

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

Specification

TdT Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P04053
Other Accession	P09838 , NP_001017520.1 , NP_004079.3
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 nucleotidylexotransferase, 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

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

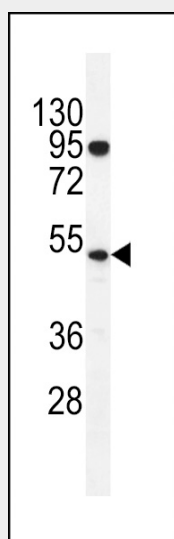
Nucleus.

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)