

Product datasheet for **AP54213PU-N**

TdT (DNNT) (C-term) Rabbit Polyclonal Antibody

Product data:

| | |
|-----------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | ELISA: 1:1;000. Western blot: 1:100~500. |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | Ig |
| Clonality: | Polyclonal |
| Immunogen: | KLH conjugated synthetic peptide between 445-475 amino acids from the C-terminal region of human TdT |
| Specificity: | This antibody detects DNNT / TDT (C-term). |
| Formulation: | PBS with 0.09% (W/V) sodium azide State: Aff - Purified State: Liquid Ig fraction |
| Concentration: | lot specific |
| Purification: | Protein A column followed by peptide affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | DNA nucleotidylexotransferase |
| Database Link: | Entrez Gene 1791 Human P04053 |



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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.

Synonyms:

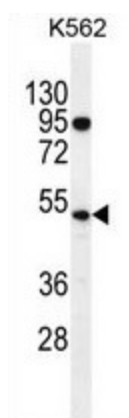
DNA nucleotidylexotransferase

Note:

Molecular Weight: 58536 Da

Protein Pathways:

Hematopoietic cell lineage, Non-homologous end-joining

Product images:

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