

Product datasheet for **TA327743**

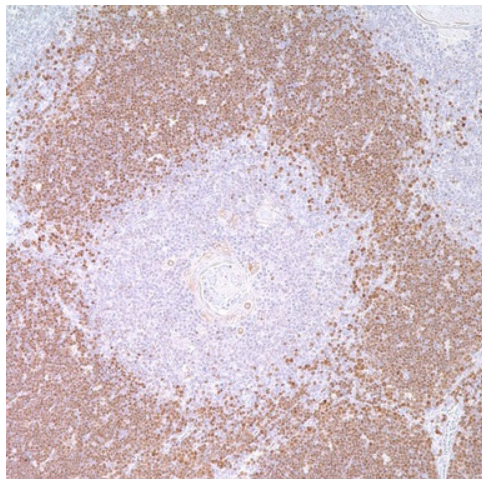
TdT (DNNT) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 1:100 -1:500
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Formulation:	This antibody is supplied as cell culture supernatant diluted in tris buffered saline, pH 7.3-7.7, with 1% BSA and <0.1% sodium azide.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	DNA nucleotidylexotransferase
Database Link:	NP_001017520 Entrez Gene 1791 Human P04053
Synonyms:	TDT
Note:	TdT (Terminal deoxynucleotidyl transferase) 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. TdT 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. TdT expression occurs in over 90% of acute lymphoblastic lymphoma/leukemia cases with the exception of pre-B-cell ALL. TdT expression does not occur in normal mature T-or B-lymphocytes. Therefore, anti-TdT is a useful tool in diagnosis of T-ALL/ T-lymphoblastic lymphoma and B-ALL/B-lymphoblastic lymphoma. Anti-TdT labels Type B thymoma, thus it can be used as a diagnostic marker for this entity. Anti-TdT is positive for approximately one-third of all cases of chronic myeloid leukemia.
Protein Pathways:	Hematopoietic cell lineage, Non-homologous end-joining



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Product images:

Immunohistochemistry staining of Paraffin Thymus tissue by TdT antibody (dilution: 1:100 - 1:500; visualization of staining: Nuclear)