

Product datasheet for **CF592788**

TdT (DNNT) Rabbit Monoclonal Antibody [Clone ID: OTIRIE10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTIRIE10
Applications:	IHC
Recommended Dilution:	IHC 1:2000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to the N-terminus of human TDT (NP_001017520) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from cell culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
Predicted Protein Size:	58.4 kDa
Gene Name:	DNA nucleotidylexotransferase
Database Link:	NP_004079 Entrez Gene 1791 Human P04053



Background:

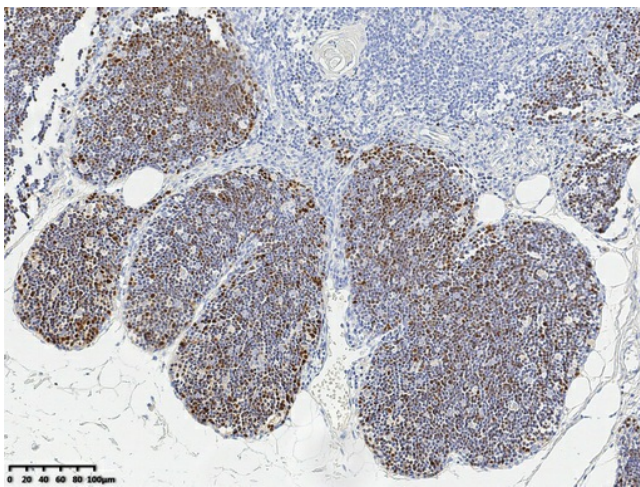
This gene is a member of the DNA polymerase type-X family and encodes a template-independent DNA polymerase that catalyzes the addition of deoxynucleotides to the 3'-hydroxyl terminus of oligonucleotide primers. In vivo, the encoded protein is expressed in a restricted population of normal and malignant 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]

Synonyms:

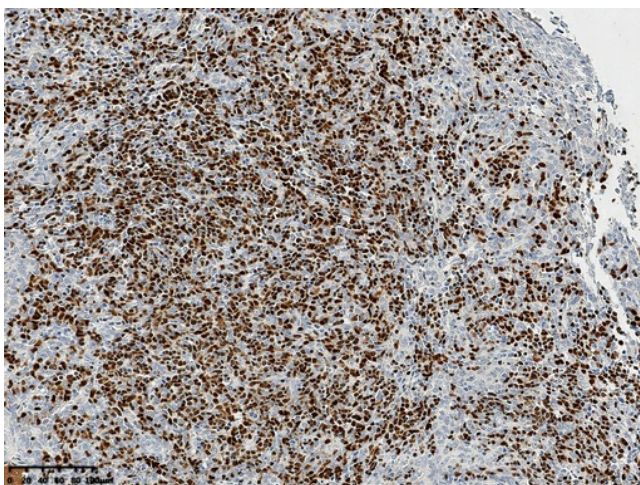
TDT

Protein Pathways:

Hematopoietic cell lineage, Non-homologous end-joining

Product images:

IHC staining of FFPE human thymus tissue with in the normal limits using anti-TdT rabbit monoclonal antibody ([TA592788]) and Polink-2 HRP polymer detection kit ([D22-110]). Heat-induced epitope retrieval by EDTA solution buffer pH 9.0 ([B06C-50]) at 120°C for 3 min. The brown stain indicates positive stain, blue is the counter stain.



IHC staining of FFPE human thymoma tissue using anti-TdT rabbit monoclonal antibody ([TA592788]) and Polink-2 HRP polymer detection kit ([D22-110]). Heat-induced epitope retrieval by EDTA solution buffer pH 9.0 ([B06C-50]) at 120°C for 3 min. The brown stain indicates positive stain, blue is the counter stain.