

Rabbit anti-Human DNTT Polyclonal Antibody | anti-DNTT antibody

DNTT Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324668	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

DNTT; Polyclonal Antibody; DNTT Antibody; Deoxynucleotidyltransferase terminal; DNA nucleotidylexotransferase; Nucleosidetriphosphate DNA deoxynucleotidylexotransferase; TDT; TDT_HUMAN; Terminal addition enzyme; Terminal deoxynucleotidyltransferase; Terminal deoxyribonucleotidyltransferase; Terminal transferase; anti-DNTT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	DNTT antibody detects endogenous levels of total DNTT
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	508
Applicable Applications for anti-DNTT antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HepG2 cells, using DNTT antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324668 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-DNTT antibody	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. Subunit Structure: Interacts with PRP19 and DNTTIP1. Forms a ternary complex with DNTTIP2 and core histone. Released from this complex by PCNA. Interacts with TRERF1 (PubMed:16371131). Similarity: Belongs to the DNA polymerase type-X family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	63054852
NCBI GeneID	1791
NCBI Accession #	NP_001017520.1
NCBI GenBank Nucleotide #	NM_001017520.1
UniProt Accession #	P04053; Q53FH1; Q5W103; Q96E50
Molecular Weight	Observed: 58 kD Predicted: 59 kDa
NCBI Official Full Name	DNA nucleotidylexotransferase isoform 2
NCBI Official Synonym Full Names	DNA nucleotidylexotransferase
NCBI Official Symbol	DNTT
NCBI Official Synonym Symbols	TDT
NCBI Protein Information	DNA nucleotidylexotransferase
UniProt Protein Name	DNA nucleotidylexotransferase
UniProt Gene Name	DNTT
UniProt Synonym Gene Names	TDT1 PublicationManual assertion based on opinion iniRef.10; Terminal transferase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.