

产品名称: TdT Rabbit Polyclonal Antibody
产品货号: APRab18769



产品概述 (Summary)

产品名称 (Production Name)	TdT Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	DNTT
别名 (Alternative Names)	DNTT; TDT; DNA nucleotidylexotransferase; Terminal addition enzyme; Terminal deoxynucleotidyltransferase; Terminal transferase
基因 ID (Gene ID)	1791.0
蛋白 ID (SwissProt ID)	P04053.The antiserum was produced against synthesized peptide derived from human DNTT. AA range:381-430

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	60kDa

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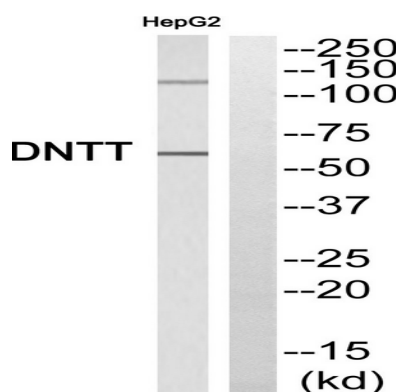
研究背景 (Background)

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], catalytic activity: Deoxynucleoside triphosphate + DNA(n) = diphosphate + DNA(n+1), cofactor: Magnesium, disease: Very high levels of enzyme activity have been detected in certain acute leukemic cells, 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, similarity: Belongs to the DNA polymerase type-X family, similarity: Contains 1 BRCT domain, subunit: Interacts with PRP19 and DNTTIP1. Forms a ternary complex with DNTTIP2 and core histone. Released from this complex by PCNA,

研究领域 (Research Area)

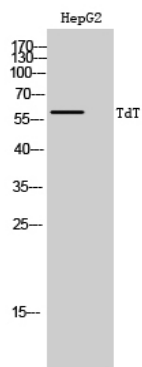
Non-homologous end-joining; Hematopoietic cell lineage;

图片 (Image Data)

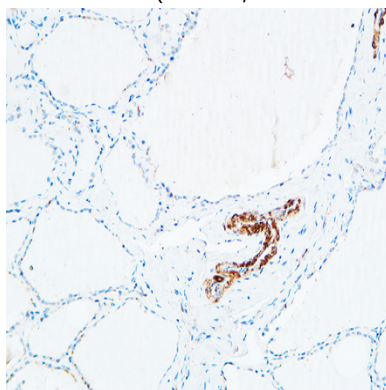


Western blot analysis of DNTT Antibody. The lane on the right is blocked with the DNTT peptide.

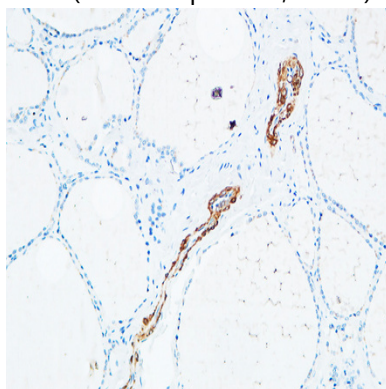
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Western Blot analysis of HepG2 cells using TdT Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA) .

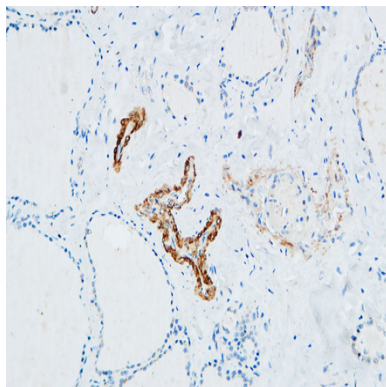


Immunohistochemical analysis of paraffin-embedded Human Thyroid. 1, Antibody was diluted at 1:200 (4°, overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 30min) .

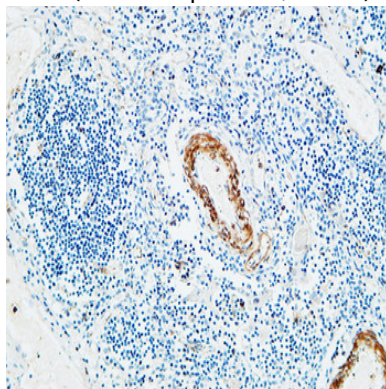


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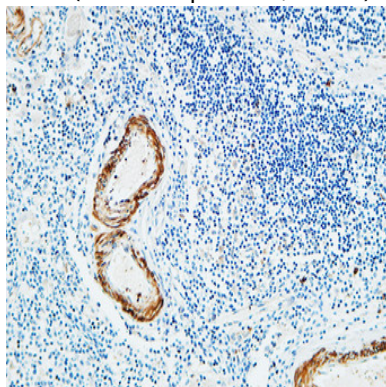
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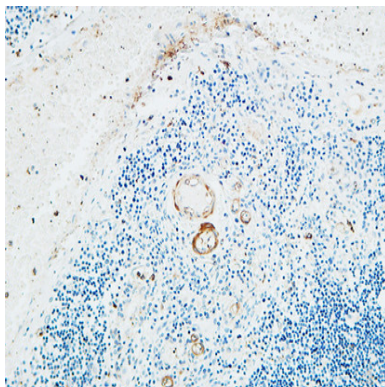


Immunohistochemical analysis of paraffin-embedded Human thymus. 1, Antibody was diluted at 1:200 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .



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注意事项 (Note)

For research use only .