

## Recombinant TdT / DNA Nucleotidylexotransferase (Acute Lymphoblastic Leukemia Marker) Antibody

Rabbit Monoclonal Antibody [Clone DNNT/4506R]

Catalog No	Format	Size
1791-RBM6-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1791-RBM6-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1791-RBM6-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

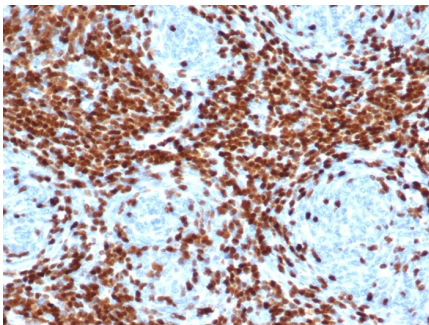
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

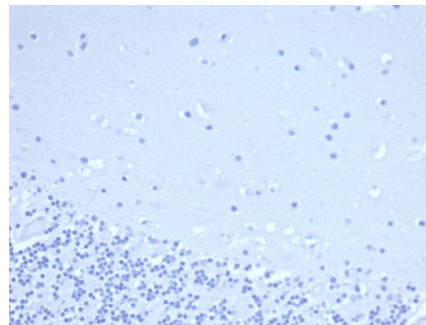
<b>Clone</b>	DNNT/4506R
<b>Gene Name</b>	DNNT
<b>Immunogen</b>	Synthetic peptide corresponding to residues within aa 1-100 of TdT was used as an immunogen
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG / Kappa
<b>Mol. Weight of Antigen</b>	58kDa
<b>Cellular Localization</b>	Nucleus
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Human thymus. Jurkat cells. Raji

*\*Optimal dilution for a specific application should be determined.*

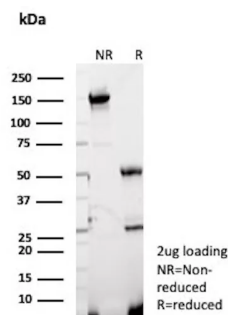
### Product Images for Recombinant TdT / DNA Nucleotidylexotransferase (Acute Lymphoblastic Leukemia Marker) Antibody



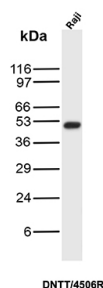
Formalin-fixed, paraffin-embedded human thymus stained with TdT Recombinant Rabbit Monoclonal Antibody (DNNT/4506R).



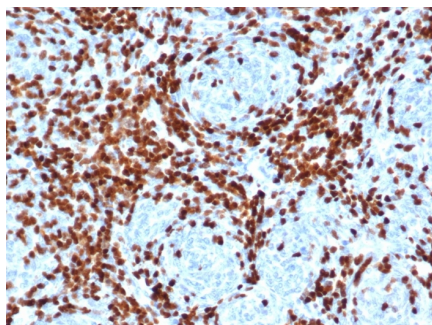
IHC analysis of formalin-fixed, paraffin-embedded human brain. Negative tissue control using DNNT/4506R at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis of Purified TdT Recombinant Rabbit Monoclonal Antibody (DNTT/4506R). Confirmation of Purity and Integrity of Antibody.



Western Blot analysis of Raji lysate using DNTT Recombinant Rabbit Monoclonal Antibody (DNTT 4506R).



Formalin-fixed, paraffin-embedded human thymus stained with TdT Recombinant Rabbit Monoclonal Antibody (DNTT/4506R).

### Specificity & Comments

Terminal deoxynucleotidyl transferase (TdT) is an unusual deoxynucleotide polymerizing enzyme with a molecular weight of about 58 kDa found normally only in B- and T-cell lymphoblasts/prelymphocytes. TdT 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. Rare TdT-positive cells are regularly detected in thymus and bone marrow. Typically, TdT expression in the thymus is very variable from cell to cell since it is rapidly decreased in more mature T-cells. TdT-positive cells may occasionally be found in tonsils, lymph nodes and extranodal lymphoid tissue. Immunohistochemical detection of TdT has value in classification of malignant lymphomas and acute leukemias, particularly for the identification of pre-B and pre-T acute lymphoblastic leukemia/lymphoblastic lymphoma (ALL/LBL).

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

B Cell Markers, Nuclear Marker