

Rabbit Anti-TdT [EP266]: RM0305, RM0305RTU7

Intended Use: For Research Use Only

Description: Terminal deoxynucleotidyl transferase (TdT) is a unique DNA polymerase that changes the addition of deoxynucleoside 5'-triphosphate to the 3'-end of a DNA initiator without template direction. TdT contributes to the generation of junctional diversity in antigen receptors of immature lymphocytes. TdT is expressed in lymphoid precursors of B- and T-cell lineage in thymus and bone marrow. Foci of TdT positive cells may be observed in peripheral lymphoid tissues. TdT is also present in malignant tumors of lymphoblastic lineage and thymoma. It is a sensitive and specific marker for lymphoblastic lymphoma/leukemia.

Specifications

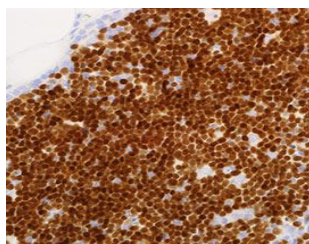
Clone:	EP266
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human
Immunogen:	Synthetic peptide corresponding to residues of human TdT protein
Localization:	Nucleus
Formulation:	Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN ₃)
Storage:	Store at 2°- 8°C
Applications:	IHC
Package:	

Description	Catalog No.	Size
TdT Concentrated	RM0305	1ml
TdT Prediluted	RM0305RTU7	7ml

IHC Procedure

Positive Control Tissue:	Thymoma, thymus
Concentrated Dilution:	25-100
Pretreatment:	EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human thymus stained with anti-TdT using DAB

References:

1. Terminal deoxynucleotidyl transferase requires KU80 and XRCC4 to promote N-addition at non-V(D)J chromosomal breaks in non-lymphoid cells. Boubakour-Azzouz I, et al. Nucleic Acids Res 40:8381-91, 2012.
2. Evidence for a stepwise program of extrathymic T cell development within the human tonsil. McClory S, et al. J Clin Invest 122:1403-15, 2012.

Doc. 100-RM0305
Rev. A