

## Product datasheet

### Anti-TdT antibody [SP150] ab183341

Recombinant **RabMAb**

[5 Images](#)

#### Overview

<b>Product name</b>	Anti-TdT antibody [SP150]
<b>Description</b>	Rabbit monoclonal [SP150] to TdT
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt (Intra), IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	IHC-P: Human thymus and thymoma tissue. WB: Jurkat whole cell lysate ( <a href="#">ab7899</a> ). Flow Cyt (Intra): Jurkat cells.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p><b>This product is FOR RESEARCH USE ONLY. For commercial use, please contact <a href="mailto:partnerships@abcam.com">partnerships@abcam.com</a>.</b></p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	<p>pH: 7.60</p> <p>Preservative: 0.1% Sodium azide</p> <p>Constituents: PBS, 1% BSA</p>
<b>Purity</b>	Protein A/G purified
<b>Purification notes</b>	Purified from TCS by protein A/G.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	SP150

Isotype

IgG

## Applications

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### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab183341 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IHC-P		1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. Boil tissue section in 1mM EDTA buffer, pH 8.0 for 10 min followed by cooling at room temperature for 20 min.
WB		1/100. Predicted molecular weight: 59 kDa.

## Target

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### 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.

### Sequence similarities

Belongs to the DNA polymerase type-X family.  
Contains 1 BRCT domain.

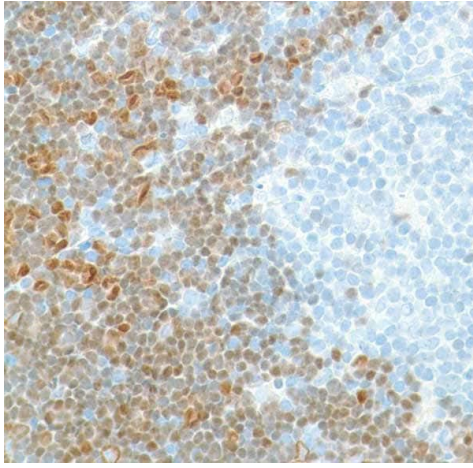
### Cellular localization

Nucleus.

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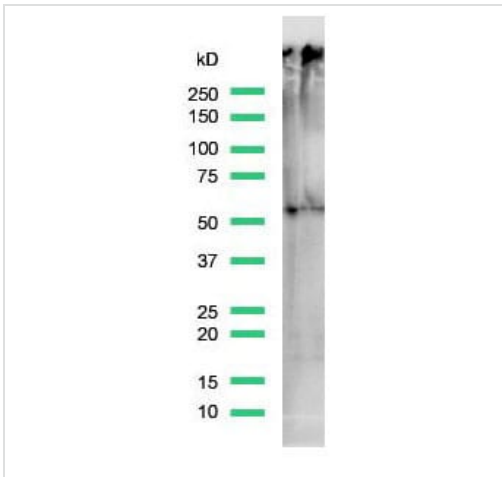
## Images

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Immunohistochemical analysis of paraffin-embedded human thymus tissue labeling TdT with ab183341 at a 1/100 dilution.

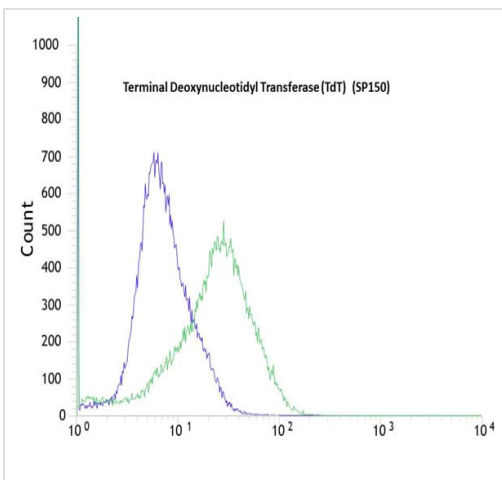
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TdT antibody [SP150] (ab183341)



Anti-TdT antibody [SP150] (ab183341) at 1/100 dilution + Jurkat (Human T cell leukemia cell line from peripheral blood) cell lysate

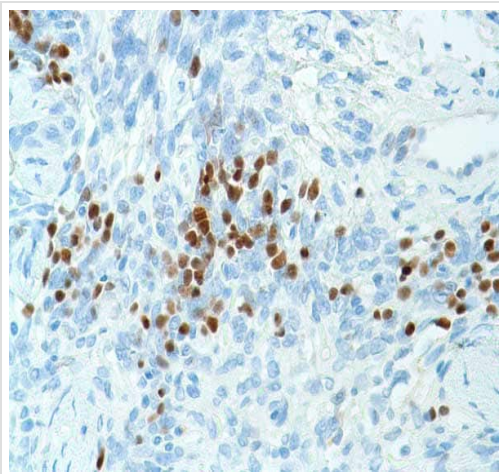
**Predicted band size: 59 kDa**

Western blot - Anti-TdT antibody [SP150] (ab183341)



Flow cytometric analysis of Jurkat (Human T cell leukemia cell line from peripheral blood) cells labeling TdT with ab183341 (green), compared with a negative control of rabbit IgG (blue).





Flow Cytometry (Intracellular) - Anti-TdT antibody [SP150] (ab183341)



Immunohistochemical analysis of paraffin-embedded human thymoma tissue labeling TdT with ab183341 at a 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TdT antibody [SP150] (ab183341)

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-TdT antibody [SP150] (ab183341)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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