

A22618

Leader in Biomolecular Solutions for Life Science



# TdT Rabbit mAb

Catalog No.: A22618

Recombinant

## Basic Information

### Observed MW

54kDa/58kDa

### Calculated MW

59kDa

### Category

SMab Recombinant Monoclonal  
Antibody

### Applications

WB,IHC-P,IF/ICC,ELISA

### Cross-Reactivity

Human

### CloneNo number

ARC55687

## Recommended Dilutions

**WB** 1:1000 - 1:10000

**IF/ICC** 1:200 - 1:400

**IHC-P** 1:200 - 1:800

**ELISA** Recommended starting  
concentration is 1  
µg/mL. Please optimize  
the concentration  
based on your specific  
assay requirements.

## Contact



[www.abclonal.com](http://www.abclonal.com)

## 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.

## Immunogen Information

### Gene ID

1791

### Swiss Prot

P04053

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 10-124 of human TdT. (NP\_004079.3).

### Synonyms

TDT; TdT

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

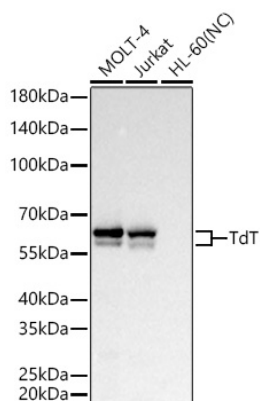
Affinity purification

### Storage

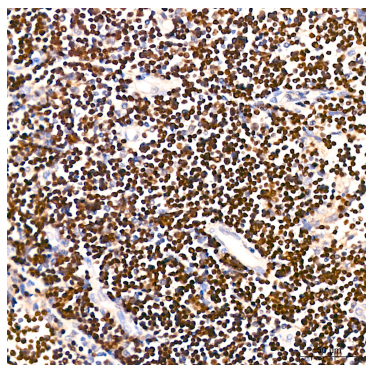
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

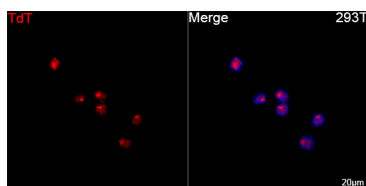
## Validation Data



Western blot analysis of various lysates using TdT Rabbit mAb (A22618) at 1:1000 dilution incubated overnight at 4°C.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Negative control (NC): HL-60  
Exposure time: 2s.



Immunohistochemistry analysis of paraffin-embedded Human thymoma tissue using TdT Rabbit mAb (A22618) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Confocal imaging of REH cells using TdT Rabbit mAb (A22618, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.