

Anti-TdT antibody [EPR2976Y] ab76544

重组 RabMAb

1 References 8 图像

概述

产品名称	Anti-TdT抗体[EPR2976Y]
描述	兔单克隆抗体[EPR2976Y] to TdT
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, IP, ICC/IF
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide corresponding to Human TdT (C terminal).
阳性对照	Human thymus and Jurkat lysates.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.21% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR2976Y
同种型	IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用 ab76544 于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/20.
WB		1/2000. Detects a band of approximately 58 kDa (predicted molecular weight: 58 kDa).
IP		1/20.
ICC/IF		1/100 - 1/250.

靶标

功能

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.

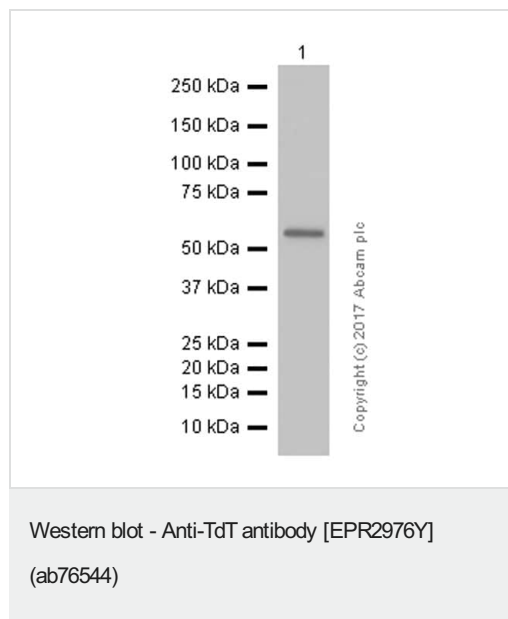
序列相似性

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

细胞定位

Nucleus.

图片



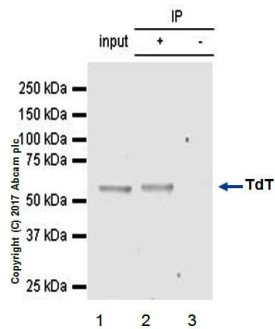
Anti-TdT antibody [EPR2976Y] (ab76544) at 1/10000 dilution (purified) + Human fetal thymus lysates at 15 µg

Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/2000 dilution

Predicted band size: 58 kDa

Blocking and diluting buffer: 5% NFDm/TBST



Immunoprecipitation - Anti-TdT antibody
[EPR2976Y] (ab76544)

ab76544 (purified) at 1:20 dilution (2µg) immunoprecipitating TdT in Jurkat (human acute T cell leukemia) whole cell lysate.

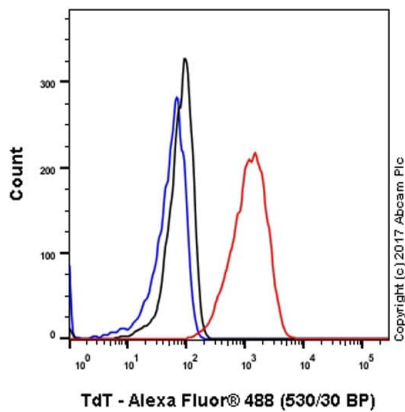
Lane 1 (input): Jurkat (human acute T cell leukemia) whole cell lysate 10µg

Lane 2 (+): ab76544 & Jurkat (human acute T cell leukemia) whole cell lysate

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab76544 in Jurkat (human acute T cell leukemia) whole cell lysate

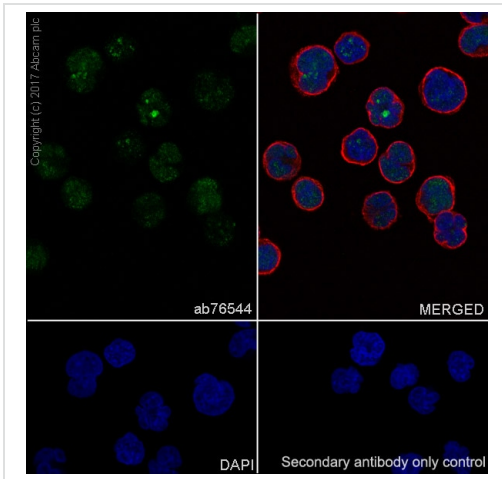
For western blotting, VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used for detection at 1:1000 dilution.

Blocking and diluting buffer: 5% NFDm/TBST.



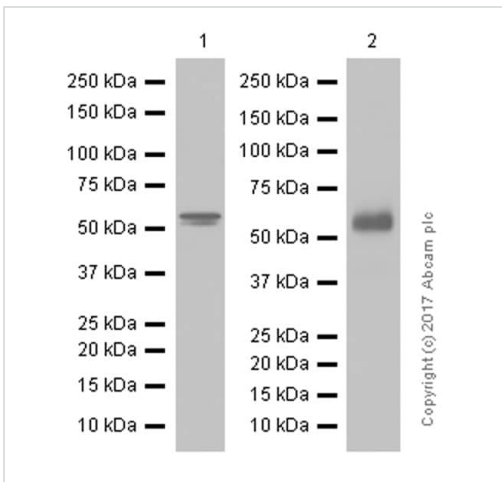
Flow Cytometry (Intracellular) - Anti-TdT antibody
[EPR2976Y] (ab76544)

Intracellular Flow Cytometry analysis of Jurkat (Human T cell leukemia T lymphocyte) cells labeling TdT with purified ab76544 at 1/20 dilution (10µg/ml) (red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 488) secondary antibody was used at 1/2000 dilution. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Immunocytochemistry/ Immunofluorescence - Anti-TdT antibody [EPR2976Y] (ab76544)

Immunocytochemistry/ Immunofluorescence analysis of MOLT-4 (Human lymphoblastic leukemia T lymphoblast) cells labeling TdT with Purified ab76544 at 1:100 dilution (1.5µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200. **ab150077** Goat anti rabbit IgG(Alexa Fluor® 488) was used as the secondary antibody at 1:1000 dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Western blot - Anti-TdT antibody [EPR2976Y] (ab76544)

All lanes : Anti-TdT antibody [EPR2976Y] (ab76544) at 1/2000 dilution (purified)

Lane 1 : Jurkat (human acute T cell leukemia) whole cell lysates

Lane 2 : Mouse thymus lysates

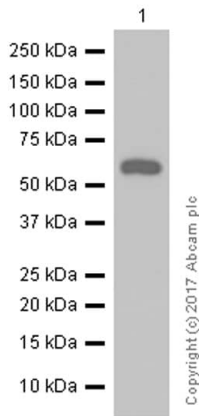
Lysates/proteins at 15 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 58 kDa

Blocking and diluting buffer: 5% NFDm/TBST



Western blot - Anti-TdT antibody [EPR2976Y] (ab76544)

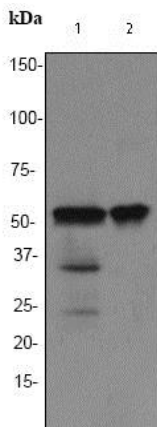
Anti-TdT antibody [EPR2976Y] (ab76544) at 1/10000 dilution (purified) + Rat thymus lysates at 20 µg

Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/2000 dilution

Predicted band size: 58 kDa

Blocking and diluting buffer: 5% NFDM/TBST



Western blot - Anti-TdT antibody [EPR2976Y] (ab76544)

All lanes : Anti-TdT antibody [EPR2976Y] (ab76544) at 1/10000 dilution (unpurified)

Lane 1 : Human thymus lysate

Lane 2 : Jurkat lysate

Lysates/proteins at 10 µg per lane.

Secondary





All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 58 kDa

Observed band size: 58 kDa

Additional bands at: 24 kDa, 35 kDa. We are unsure as to the identity of these extra bands.

Why choose a recombinant antibody?

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

Anti-TdT antibody [EPR2976Y] (ab76544)

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