

Anti-TdT antibody [EPR2976Y] ab76544

リコンビナント **RabMAb**

1 References **画像数 8**

製品の概要

製品名	Anti-TdT antibody [EPR2976Y]
製品の詳細	Rabbit monoclonal [EPR2976Y] to TdT
由来種	Rabbit
アプリケーション	適用あり: Flow Cyt (Intra), WB, IP, ICC/IF
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide corresponding to Human TdT (C terminal).
ポジティブ・コントロール	Human thymus and Jurkat lysates.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
バッファー	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.21% BSA</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR2976Y
アイソタイプ	IgG

アプリケーション

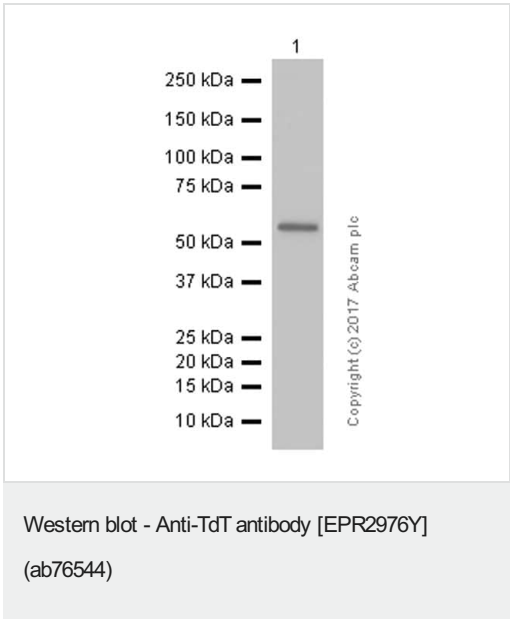
The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab76544の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
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.

ターゲット情報

機能	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.
配列類似性	Belongs to the DNA polymerase type-X family. Contains 1 BRCT domain.
細胞内局在	Nucleus.

画像

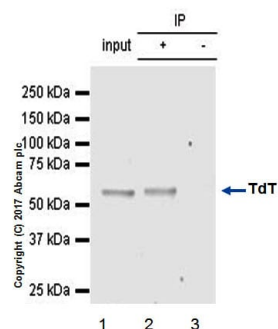


Anti-TdT antibody [EPR2976Y] (ab76544) at 1/10000 dilution
(purified) + Human fetal thymus lysates at 15 µg

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

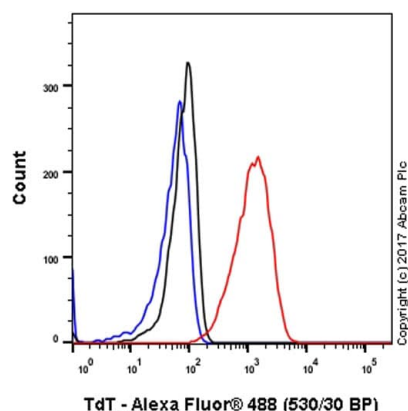
Lane 2 (+): ab76544 & Jurkat (human acute T cell leukemia) whole cell lysate

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)

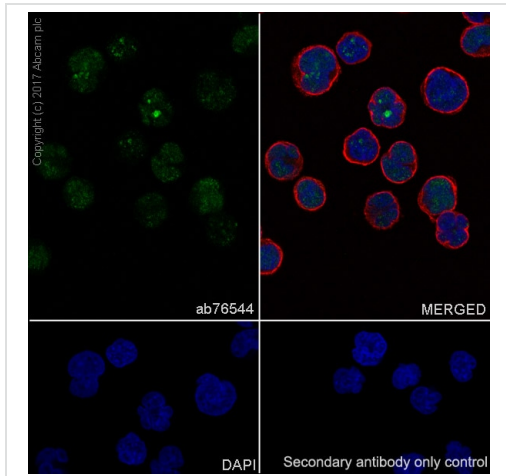
(**ab131366**) was used for detection at 1:1000 dilution.

Blocking and diluting buffer: 5% NFDm/TBST.



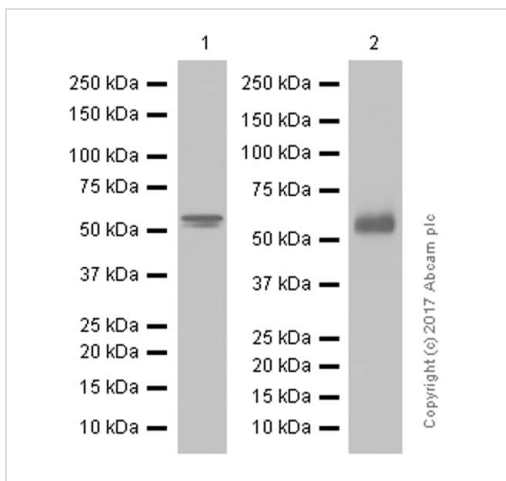
Flow Cytometry (Intracellular) - Anti-TdT antibody
[EPR2976Y] (ab76544)

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

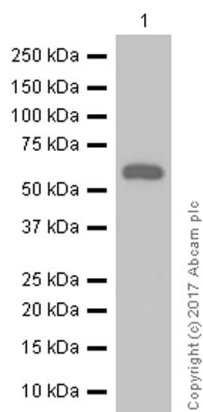
Lysates/proteins at 15 µg per lane.

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)

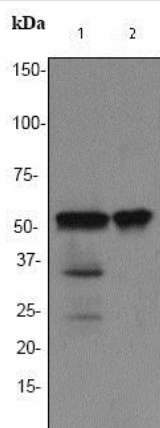
Anti-TdT antibody [EPR2976Y] (ab76544) at 1/10000 dilution
(purified) + Rat thymus lysates at 20 µg

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?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



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Animal-free production

Anti-TdT antibody [EPR2976Y] (ab76544)

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