

Anti-CD3 zeta (phospho Y142) antibody [EP265(2)Y] ab68235

リコンビナント **RabMAb**

★★★★★ **1 Abreviews** **9 References** 画像数 5

製品の概要

製品名	Anti-CD3 zeta (phospho Y142) antibody [EP265(2)Y]
製品の詳細	Rabbit monoclonal [EP265(2)Y] to CD3 zeta (phospho Y142)
由来種	Rabbit
アプリケーション	適用あり: Flow Cyt (Intra), ICC/IF, WB, IP
種交差性	交差種: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	Jurkat whole cell lysate (ab7899)
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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</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 long term. Avoid freeze / thaw cycle.
バッファー	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol, 0.05% BSA</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EP265(2)Y

アプリケーション

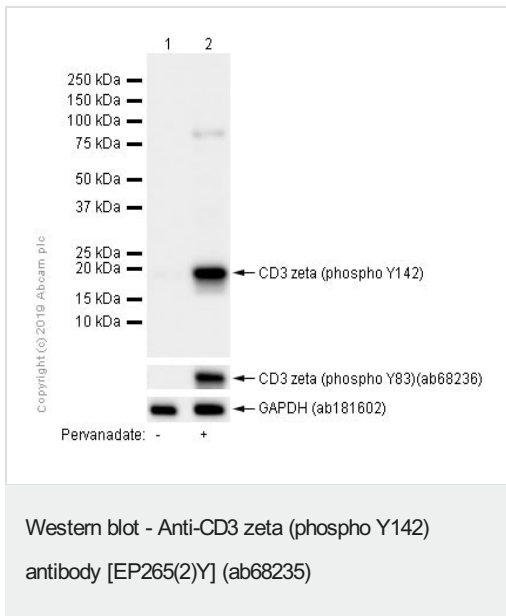
The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab68235の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/120.
ICC/IF	★★★★★ (1)	1/250 - 1/500.
WB		1/500 - 1/2000. Detects a band of approximately 21 kDa (predicted molecular weight: 19 kDa).
IP		1/20 - 1/50.

ターゲット情報

機能	Probable role in assembly and expression of the TCR complex as well as signal transduction upon antigen triggering.
関連疾患	Defects in CD247 are the cause of immunodeficiency due to defect in CD3-zeta (CD3ZID) [MIM:610163]. An immunological deficiency characterized by T-cells impaired immune response to alloantigens, tetanus toxoid and mitogens.
配列類似性	Belongs to the CD3Z/FCER1G family. Contains 3 ITAM domains.
ドメイン	The ITAM domains mediate interaction with SHB.
翻訳後修飾	Phosphorylated on Tyr residues after T-cell receptor triggering.
細胞内局在	Membrane.

画像



All lanes : Anti-CD3 zeta (phospho Y142) antibody [EP265(2)Y] (ab68235) at 1/1000 dilution (Purified)

Lane 1 : Jurkat (Human T cell leukemia T lymphocyte) whole cell lysates

Lane 2 : Jurkat (Human T cell leukemia T lymphocyte) treated with 50mM pervanadate for 5 minutes whole cell lysates

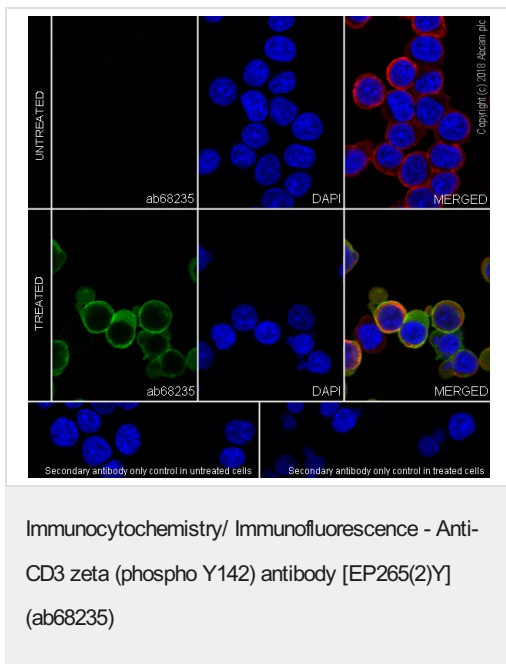
Lysates/proteins at 15 µg per lane.

Secondary

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

Predicted band size: 19 kDa

Observed band size: 19 kDa



Immunocytochemistry/ Immunofluorescence analysis of Jurkat (Human T cell leukemia T lymphocyte) treated with 1mM pervanadate for 30 minutes cells labeling CD3 zeta with purified ab68235 at 1/500 dilution (0.2 µg/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) at 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Immunoprecipitation - Anti-CD3 zeta (phospho Y142) antibody [EP265(2)Y] (ab68235)

ab68235 (purified) at 1/20 dilution (0.5ug) immunoprecipitating CD3 zeta in Jurkat treated with 50nM pervanadate for 5 minutes whole cell lysate whole cell lysate. Jurkat (Human T cell leukemia T lymphocyte) treated with 50nM pervanadate for 5 minutes whole cell lysate 10ug

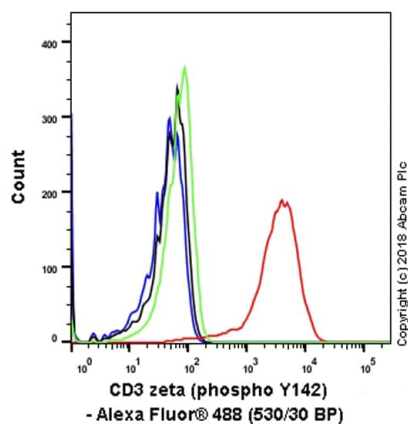
Lane 2 (+): ab68235 & Jurkat treated with 50nM pervanadate for 5 minutes whole cell lysate whole cell lysate

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab68235 in Jurkat treated with 50nM pervanadate for 5 minutes whole cell lysate

For western blotting, VeriBlot for IP secondary antibody (HRP)

(**ab131366**) was used at 1/2000 dilution.

Blocking and diluting buffer: 5% NFDM/TBST.



Flow Cytometry (Intracellular) - Anti-CD3 zeta (phospho Y142) antibody [EP265(2)Y] (ab68235)

Intracellular Flow Cytometry analysis of Jurkat (Human T cell leukemia T lymphocyte) treated with 50nM pervanadate for 5 minutes cells labeling CD3 zeta with purified ab68235 at 1/120 dilution (1µg/ml) (red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue). Untreated Jurkat cells (Green).

Why choose a recombinant antibody?



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Recombinant technology



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Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-CD3 zeta (phospho Y142) antibody [EP265(2)Y] (ab68235)

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