

Anti-CD3G antibody [EPR4517] ab134096

リコンビナント RabMAb

★★★★★ **1 Abreviews** **19 References** **画像数 13**

製品の概要

製品名	Anti-CD3G antibody [EPR4517]
製品の詳細	Rabbit monoclonal [EPR4517] to CD3G
由来種	Rabbit
アプリケーション	適用あり: WB, IP, IHC-P, Flow Cyt (Intra), ICC/IF
種交差性	交差種: Mouse, Human
免疫原	Synthetic peptide within Human CD3G (C terminal). The exact sequence is proprietary. Database link: P09693
ポジティブ・コントロール	WB: Jurkat and mouse thymus lysates. IHC-P: Human tonsil, human colon and mouse spleen tissues. ICC/IF: Jurkat cells. IP: Jurkat cell lysate. Flow Cyt (intra): Jurkat cells
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents . Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.

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. Stable for 12 months at -20°C.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
精製度	Protein A purified

ポリ/モノ	モノクローナル
クローン名	EPR4517
アイソタイプ	IgG

アプリケーション

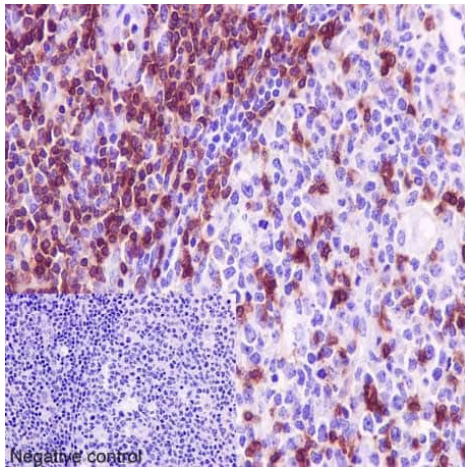
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab134096の使用に適用されず**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/20000 - 1/200000. Predicted molecular weight: 20 kDa. For unpurified use at 1/10000 - 1/50000.
IP		1/40. For unpurified use at 1/10 - 1/100.
IHC-P		1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. For unpurified use at 1/250 - 1/500.
Flow Cyt (Intra)		1/70.
ICC/IF		1/1000. For unpurified use at 1/500 - 1/1000.

ターゲット情報

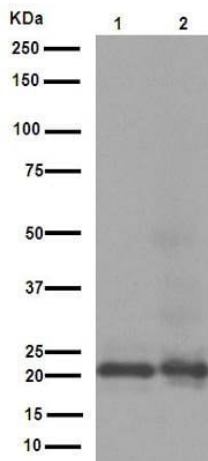
機能	The CD3 complex mediates signal transduction.
配列類似性	Contains 1 Ig-like (immunoglobulin-like) domain. Contains 1 ITAM domain.
ドメイン	A di-leucine motif and a tyrosine-based motif are individually sufficient to induce both endocytosis and delivery to lysosomes.
細胞内局在	Membrane.

画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD3G antibody [EPR4517] (ab134096)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue labelling CD3G with purified ab134096 at 1/1000. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. A prediluted HRP-polymer conjugated anti-rabbit IgG was used as the secondary antibody. Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.



Western blot - Anti-CD3G antibody [EPR4517] (ab134096)

All lanes : Anti-CD3G antibody [EPR4517] (ab134096) at 1/50000 dilution (purified)

Lane 1 : Jurkat cell lysate

Lane 2 : Human fetal thymus lysate

Lysates/proteins at 20 µg per lane.

Secondary

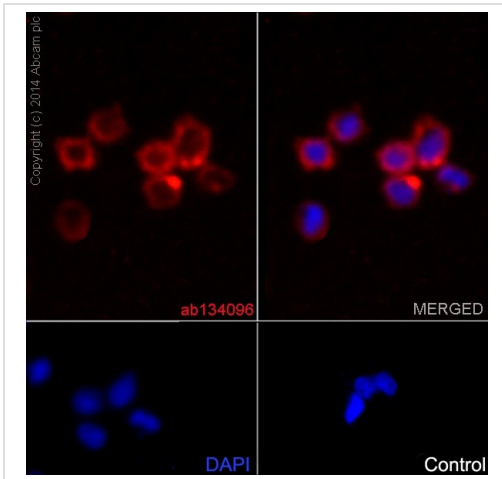
All lanes : Peroxidase-conjugated goat anti-rabbit IgG (H+L) at 1/1000 dilution

Predicted band size: 20 kDa

Observed band size: 18-28 kDa

Blocking buffer and concentration: 5% NFDM/TBST.

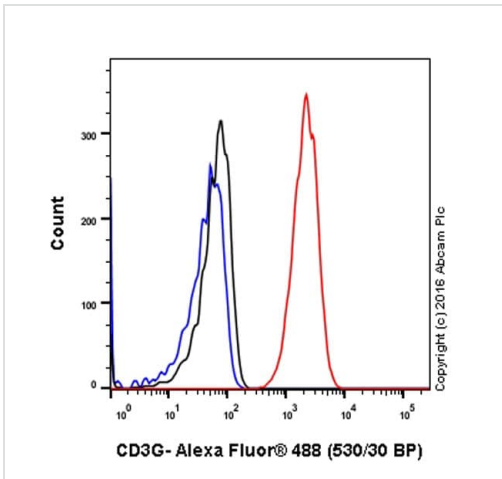
Diluting buffer and concentration: 5% NFDM /TBST.



Immunocytochemistry/ Immunofluorescence - Anti-CD3G antibody [EPR4517] (ab134096)

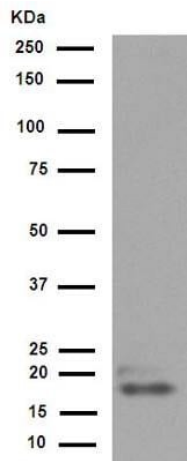
Immunocytochemistry/Immunofluorescence analysis of Jurkat cells labelling CD3G with purified ab134096 at 1/1000. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. An Alexa Fluor® 555-conjugated goat anti-rabbit IgG (1/500) was used as the secondary antibody. DAPI (blue) was used as the nuclear counterstain.

Control: primary antibody (1/1000) and secondary antibody, **ab150113**, an Alexa Fluor® 488-conjugated goat anti-mouse IgG (1/500).



Flow Cytometry (Intracellular) - Anti-CD3G antibody [EPR4517] (ab134096)

Intracellular Flow Cytometry analysis of Jurkat (human acute T cell leukemia) cells labeling CD3G with purified ab134096 at 1/70 dilution (10ug/mL) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor®488) (1/2000 dilution) was used as the secondary antibody. Rabbit monoclonal IgG (Black) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) was used as the unlabeled control.



Western blot - Anti-CD3G antibody [EPR4517] (ab134096)

Anti-CD3G antibody [EPR4517] (ab134096) at 1/50000 dilution (purified) + Mouse thymus tissue lysate at 20 µg

Secondary

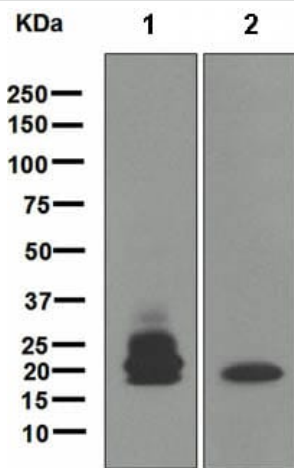
Peroxidase-conjugated goat anti-rabbit IgG (H+L) at 1/1000 dilution

Predicted band size: 20 kDa

Observed band size: 18-28 kDa

Blocking buffer and concentration: 5% NFDN/TBST.

Diluting buffer and concentration: 5% NFDN /TBST.



Western blot - Anti-CD3G antibody [EPR4517] (ab134096)

All lanes : Anti-CD3G antibody [EPR4517] (ab134096) at 1/10000 dilution (unpurified)

Lane 1 : Jurkat cell lysate

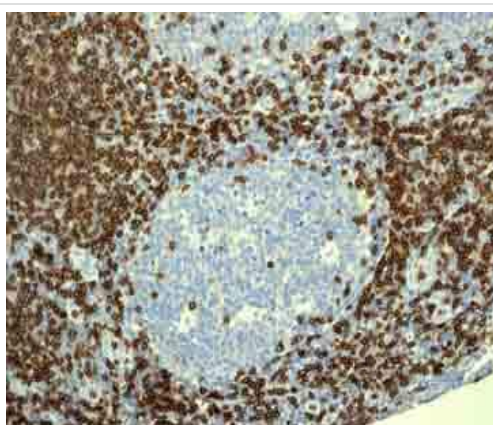
Lane 2 : Mouse thymus tissue lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

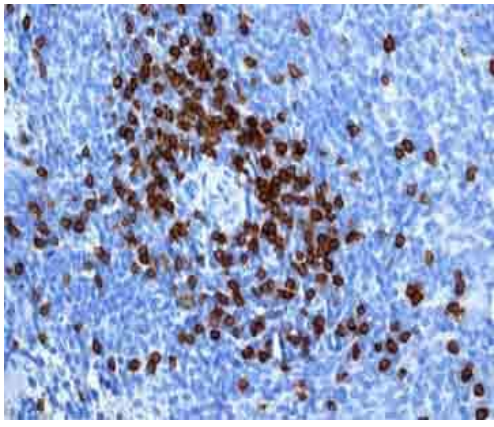
Predicted band size: 20 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD3G antibody [EPR4517] (ab134096)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue labelling CD3G with unpurified ab134096.

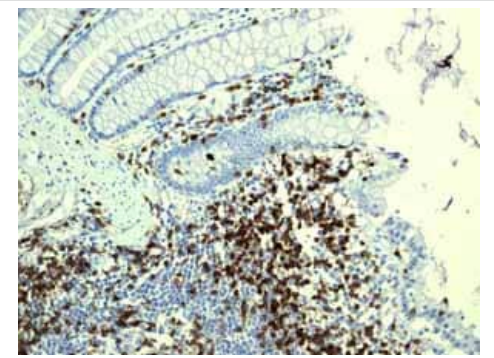
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD3G antibody [EPR4517] (ab134096)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse spleen tissue labelling CD3G with unpurified ab134096.

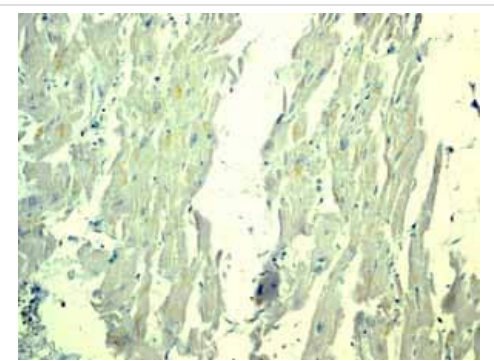
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD3G antibody [EPR4517] (ab134096)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon (lymphocytes) tissue labelling CD3G with unpurified ab134096.

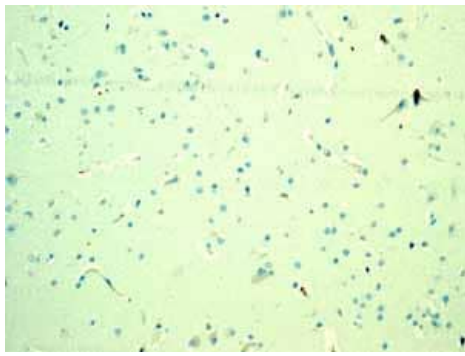
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD3G antibody [EPR4517] (ab134096)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human skeletal muscle tissue. Unpurified **ab32362** shows negative staining.

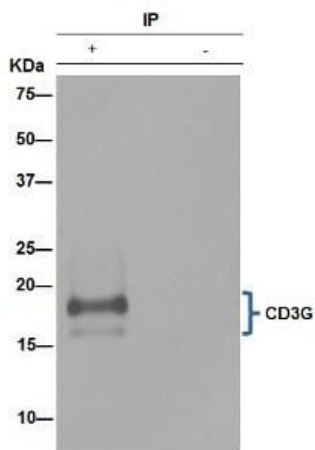
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD3G antibody [EPR4517] (ab134096)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human brain tissue. Unpurified **ab32362** shows negative staining.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.






Immunoprecipitation - Anti-CD3G antibody [EPR4517] (ab134096)

ab134096 (purified) at 1/40 immunoprecipitating CD3G in Jurkat cell lysate (Lane 1). Lane 2 - PBS. For western blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG was used as the secondary antibody (1/1500).

Blocking buffer and concentration: 5% NFDN/TBST.

Diluting buffer and concentration: 5% NFDN /TBST.

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	 Ethical standards compliant Animal-free production

Anti-CD3G antibody [EPR4517] (ab134096)

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