abcam

Product datasheet

Anti-CD3G antibody [EPR4517] ab134096

重组 **RabMAb**

★★★★★ **1 Abreviews**   **19 References**   13 图像

概述

产品名称	Anti-CD3G抗体[EPR4517]
描述	兔单克隆抗体[EPR4517] to CD3G
宿主	Rabbit
经测试应用	**适用于:** WB, IP, IHC-P, Flow Cyt (Intra), ICC/IF
种属反应性	**与反应:** Mouse, Human
免疫原	Synthetic peptide within Human CD3G (C terminal). The exact sequence is proprietary. Database link: **P09693**
阳性对照	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
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including:

- 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.

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. Stable for 12 months at -20°C.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
纯度	Protein A purified

克隆	单克隆
克隆编号	EPR4517
同种型	IgG

应用

The Abpromise guarantee   **Abpromise™**承诺保证使用ab134096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
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.**

靶标

功能	The CD3 complex mediates signal transduction.
序列相似性	Contains 1 Ig-like (immunoglobulin-like) domain. Contains 1 ITAM domain.
结构域	A di-leucine motif and a tyrosine-based motif are individually sufficient to induce both endocytosis and delivery to lysosomes.
细胞定位	Membrane.

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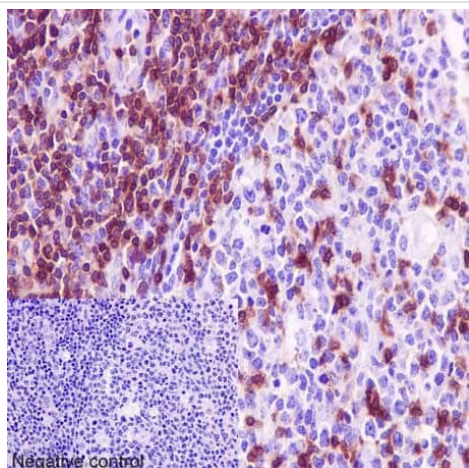
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD3G antibody [EPR4517] (ab134096)

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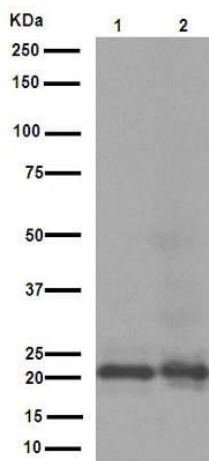
Western blot - Anti-CD3G antibody [EPR4517] (ab134096)

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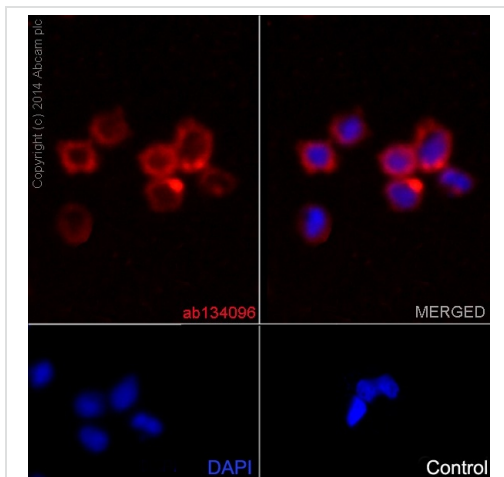
Secondary
All lanes : Peroxidase-conjugated goat anti-rabbit IgG (H+L) at 1/1000 dilution

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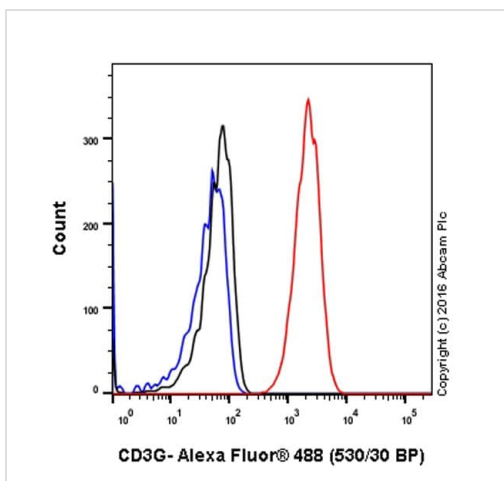
Flow Cytometry (Intracellular) - Anti-CD3G antibody [EPR4517] (ab134096)

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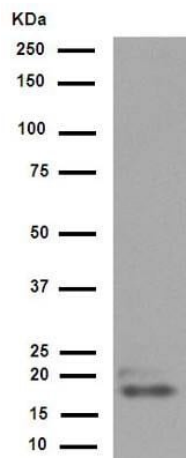
Western blot - Anti-CD3G antibody [EPR4517] (ab134096)

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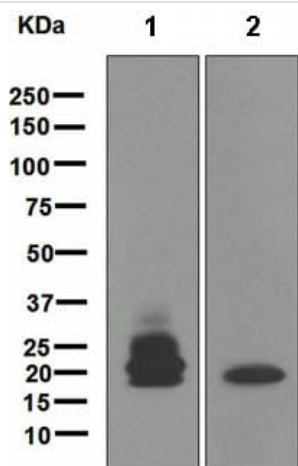
Secondary

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% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.

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

All lanes : Anti-CD3G antibody [EPR4517] (ab134096) at 1/10000 dilution (unpurified)
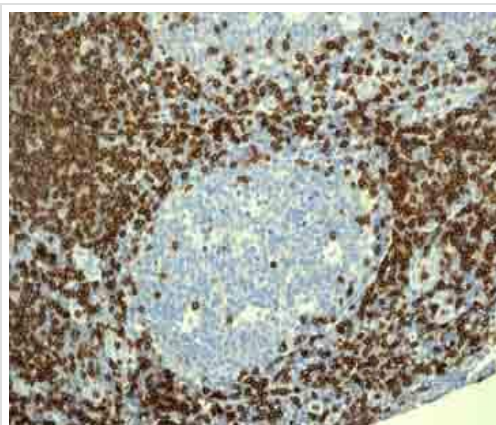
Lane 1 : Jurkat cell lysate
Lane 2 : Mouse thymus tissue lysate

Lysates/proteins at 10 µg per lane.

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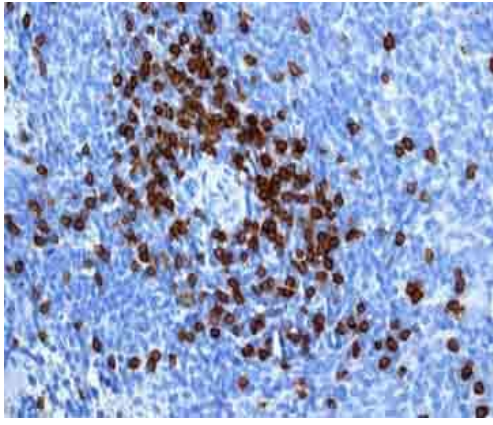**All lanes :** HRP-conjugated goat anti-rabbit IgG at 1/2000 dilution

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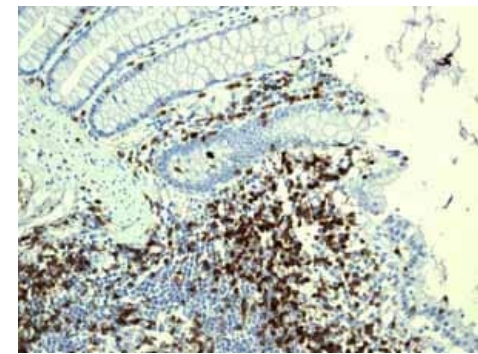
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

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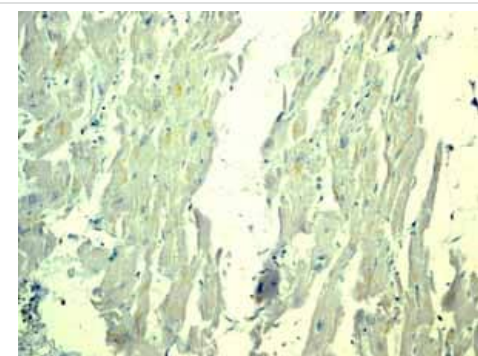
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

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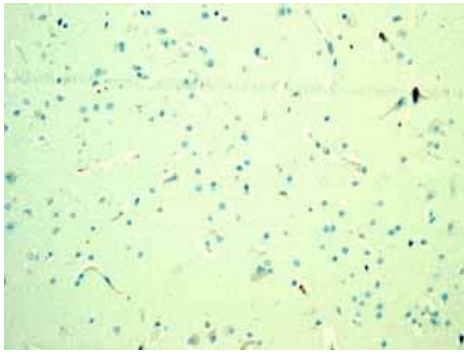
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

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

Immunohistochemistry (Formalin/PFA-fixed parffin-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 parffin-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.
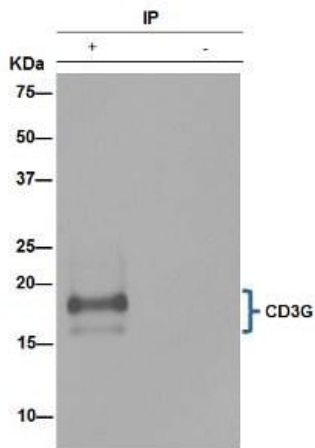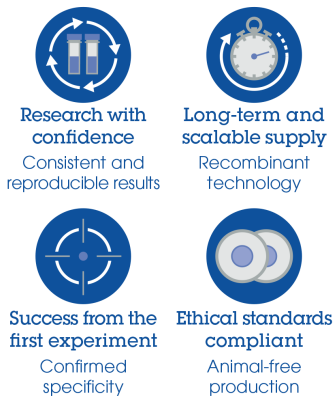

Immunoprecipitation - Anti-CD3G antibody [EPR4517] (ab134096)

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% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /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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