

Anti-CD6/T12 antibody [EPR4057] ab109217

重组 RabMAb

1 References **13 图像**

概述

产品名称	Anti-CD6/T12抗体[EPR4057]
描述	兔单克隆抗体[EPR4057] to CD6/T12
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: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Jurkat, HuT-78, and Human peripheral blood mononuclear cells whole cell lysates. Human tonsil tissue lysate; IP: Human peripheral blood mononuclear cells whole cell lysate; ICC/IF: Human peripheral blood mononuclear cells; IHC-P: Human tonsil and Human lymphocytes infiltrating colon tissues; Flow Cyt (intra): HuT-78 cells.
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> <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>

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 long term. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS</p>
纯度	Protein A purified

克隆	单克隆
克隆编号	EPR4057
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab109217于以下的经测试应用

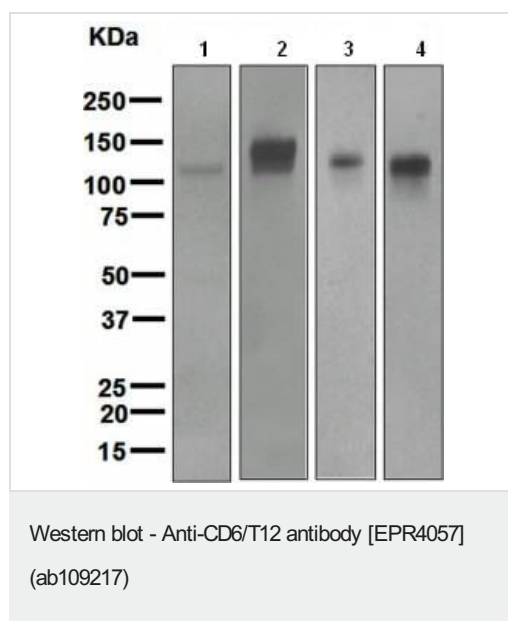
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/5000. Detects a band of approximately 90-130 kDa (predicted molecular weight: 72 kDa). For unpurified use at 1/1000 - 1/10000.
IP		1/20. 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. See IHC antigen retrieval protocols . For unpurified use at 1/100 - 1/250.
Flow Cyt (Intra)		1/20.
ICC/IF		1/50. For unpurified use at 1/100 - 1/250.

靶标

功能	Involved in cell adhesion. Binds to CD166.
组织特异性	Expressed by thymocytes, mature T-cells, a subset of B-cells known as B-1 cells, and by some cells in the brain.
序列相似性	Contains 3 SRCR domains.
翻译后修饰	After T-cell activation, becomes hyperphosphorylated on Ser and Thr residues and phosphorylated on Tyr residues. Contains intrachain disulfide bond(s).
细胞定位	Membrane.

图片



All lanes : Anti-CD6/T12 antibody [EPR4057] (ab109217) at 1/1000 dilution (unpurified)

Lane 1 : Jurkat lysates

Lane 2 : Human tonsil lysates

Lane 3 : PBMC lysates

Lane 4 : HuT-78 lysates

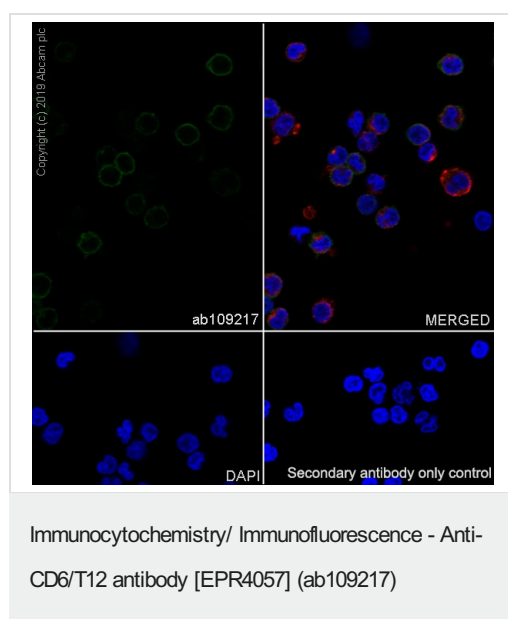
Lysates/proteins at 10 µg per lane.

Secondary

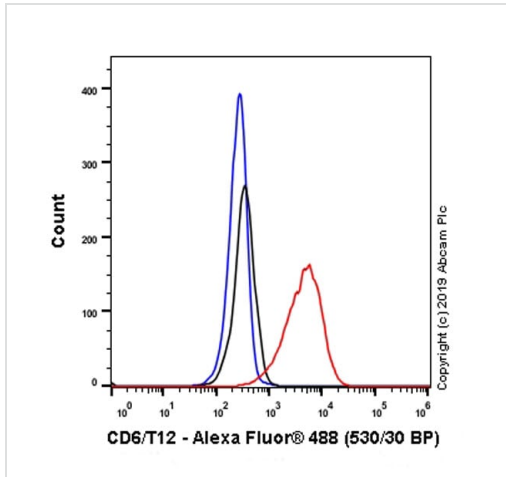
All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 72 kDa

Observed band size: 90-130 kDa

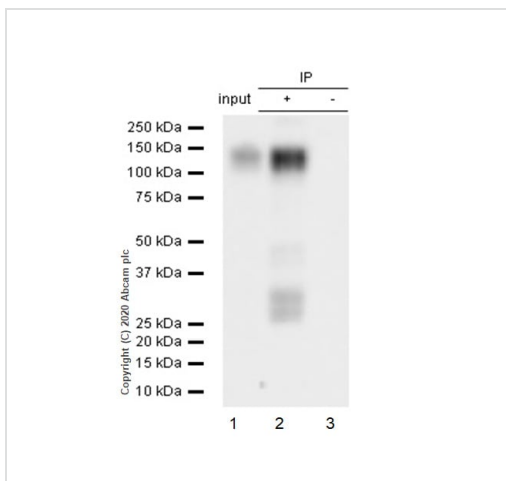


Immunocytochemistry/Immunofluorescence analysis of Human PBMC (Human primary peripheral blood mononuclear cell) cells labeling CD6/T12 with Purified ab109217 at 1:50 dilution (2.3 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 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.



Flow Cytometry (Intracellular) - Anti-CD6/T12 antibody [EPR4057] (ab109217)

Intracellular Flow Cytometry analysis of HuT-78 (Human Sezary syndrome cutaneous T lymphocyte) cells, labeling CD6/T12 with Purified ab109217 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, [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).



Immunoprecipitation - Anti-CD6/T12 antibody [EPR4057] (ab109217)

Purified ab109217 at 1:20 dilution (0.6µg) immunoprecipitating CD6/T12 in HuT-78 whole cell lysate.

Lane 1 (input): HuT-78 (Human Sezary syndrome cutaneous T lymphocyte) whole cell lysate 10µg

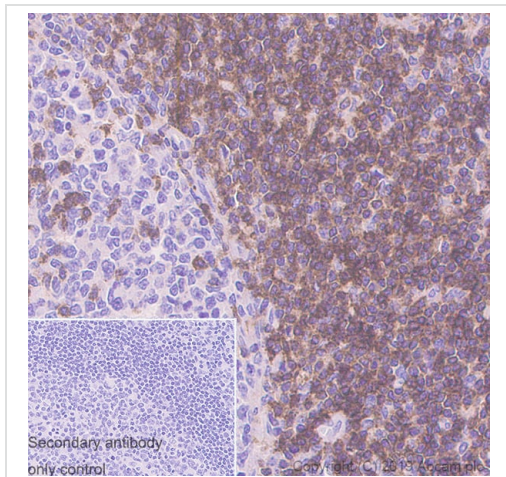
Lane 2 (+): ab109217 + HuT-78 whole cell lysate.

Lane 3 (-): Rabbit monoclonal IgG ([ab172730](#)) instead of ab109217 in HuT-78 whole cell lysate.

Blocking Buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM/TBST.

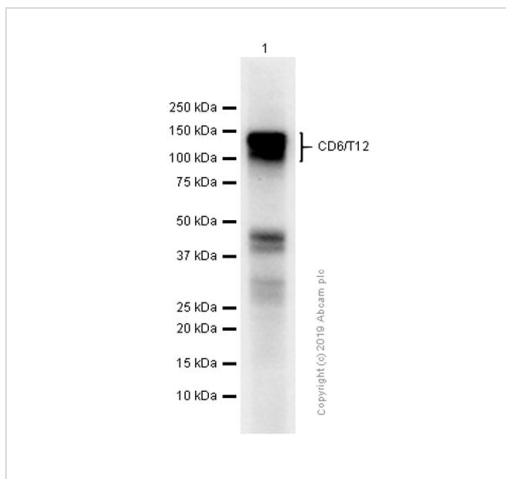
Observed band size: 105-130 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD6/T12 antibody [EPR4057] (ab109217)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue sections labeling CD6/T12 with purified ab109217 at 1/1000 dilution (0.115 µg/mL). Heat mediated antigen retrieval was performed using Bond™ Epitope Retrieval Solution 2 (pH 9.0). Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



Western blot - Anti-CD6/T12 antibody [EPR4057] (ab109217)

Anti-CD6/T12 antibody [EPR4057] (ab109217) at 1/5000 dilution (Purified) + HuT-78 (Human Sezary syndrome cutaneous T lymphocyte) whole cell lysate at 15 µg

Secondary

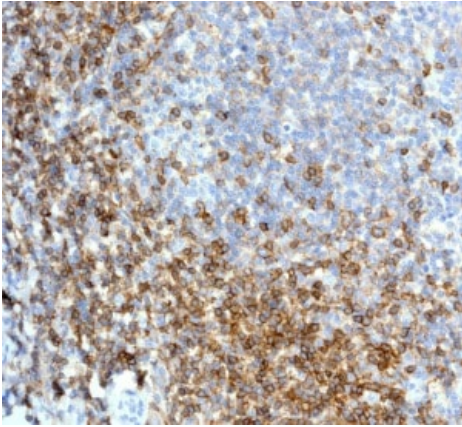
Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 72 kDa

Observed band size: 105-130 kDa

The molecular weight of CD6 ranges from 105 to 130 kDa depending on its degree of phosphorylation (PMID: 17601777).

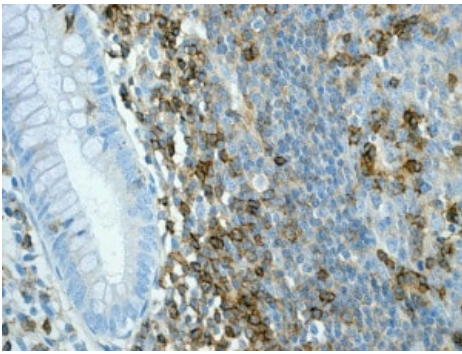
Blocking/Diluting buffer: 5% NFDm/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD6/T12 antibody
[EPR4057] (ab109217)

Unpurified ab109217, at a 1/100 dilution, staining CD6/T12 in paraffin embedded Human tonsil tissue by Immunohistochemistry.

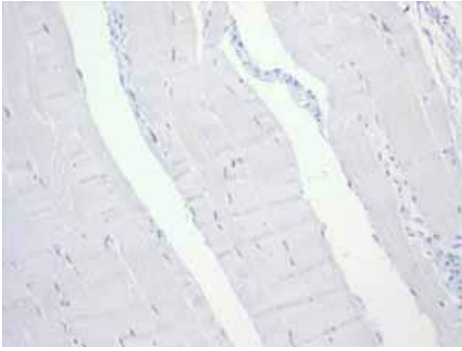
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD6/T12 antibody
[EPR4057] (ab109217)

Unpurified ab109217, at a 1/100 dilution, staining CD6/T12 in paraffin embedded Human lymphocytes infiltrating colon tissue by Immunohistochemistry.

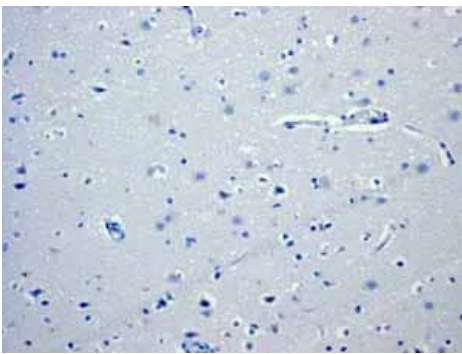
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD6/T12 antibody [EPR4057] (ab109217)

Unpurified ab109217 showing negative staining in Skeletal muscle tissue.

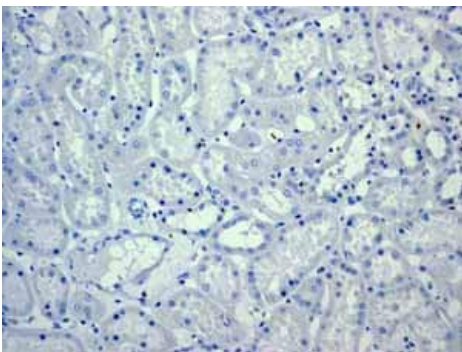
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD6/T12 antibody [EPR4057] (ab109217)

Unpurified ab109217 showing negative staining in Normal brain tissue.

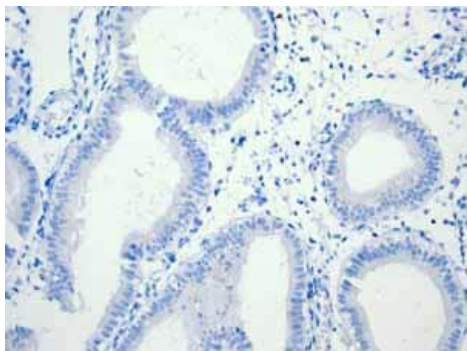
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD6/T12 antibody [EPR4057] (ab109217)

Unpurified ab109217 showing negative staining in Normal kidney tissue.

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



Unpurified ab109217 showing negative staining in Normal uterus tissue.

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

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD6/T12 antibody [EPR4057] (ab109217)

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-CD6/T12 antibody [EPR4057] (ab109217)

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