

Anti-DPF2/REQ antibody [EPR9206(B)] ab134942

敲除验证
重组
RabMAb

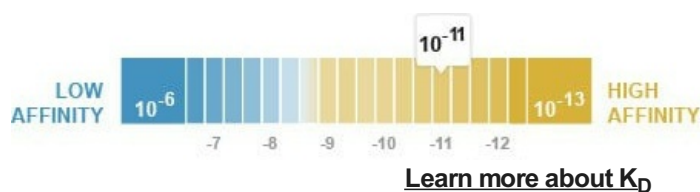
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概述

产品名称	Anti-DPF2/REQ抗体[EPR9206(B)]
描述	兔单克隆抗体[EPR9206(B)] to DPF2/REQ
宿主	Rabbit
经测试应用	适用于: WB, IP, ICC/IF, IHC-P
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide corresponding to Human DPF2/REQ.
阳性对照	IHC-P: Human kidney, colon and breast carcinoma tissue; mouse and rat cerebral cortex tissue. WB: A431, HeLa, Jurkat, PC-12, NIH/3T3 and LNCaP cell lysates. ICC: HeLa 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>

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. Avoid freeze / thaw cycle. Stable for 12 months at -20°C.
解离常数 (K_D)	$K_D = 5.00 \times 10^{-11}$ M



存储溶液	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p>
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	Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR9206(B)
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab134942于以下的经测试应用

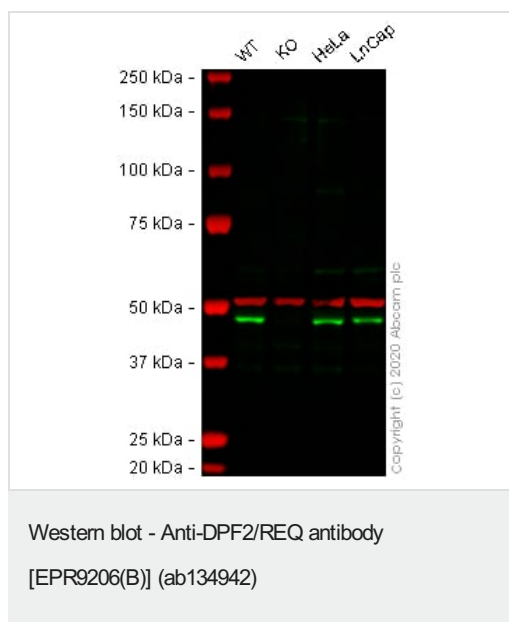
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/1000 - 1/10000. Predicted molecular weight: 44 kDa.
IP		1/10 - 1/100.
ICC/IF		1/100 - 1/250.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. For antigen retrieval: heat up to 98°C, below boiling, and then let cool for 10-20 min. Use of an HRP/AP polymerized secondary antibody is recommended. See <u>IHC antigen retrieval protocols</u> .

靶标

功能	May be a transcription factor required for the apoptosis response following survival factor withdrawal from myeloid cells. Might also have a role in the development and maturation of lymphoid cells.
组织特异性	Ubiquitous.
序列相似性	Belongs to the requiem/DPF family. Contains 1 C2H2-type zinc finger. Contains 2 PHD-type zinc fingers.
细胞定位	Nucleus. Cytoplasm. 30% nuclear. 70% cytoplasmic.

图片



All lanes : Anti-DPF2/REQ antibody [EPR9206(B)] (ab134942) at 1/1000 dilution

Lane 1 : Wild-type A-431 (Human epidermoid carcinoma cell line) whole cell lysate

Lane 2 : DPF2 knockout A-431 (Human epidermoid carcinoma cell line) whole cell lysate

Lane 3 : HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lane 4 : LNCaP (Human prostate cancer cell line) whole cell lysate

Lysates/proteins at 20 µg per lane.

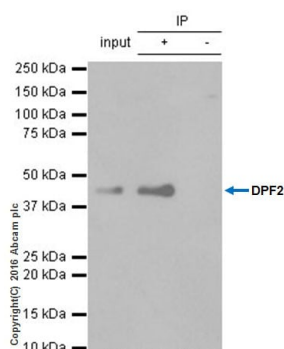
Performed under reducing conditions.

Predicted band size: 44 kDa

Observed band size: 50 kDa

Lanes 1 -4: Merged signal (red and green). Green - ab134942 observed at 50 kDa. Red - loading control, **ab7291** (Mouse anti-Alpha Tubulin [DM1A]) observed at 55kDa.

ab134942 was shown to react with DPF2/REQ in wild-type A431 cells in western blot. Loss of signal was observed when DPF2 knockout sample was used. Wild-type and DPF2 knockout A431 cell lysates were subjected to SDS-PAGE. Membranes were blocked in 3% milk in TBS-T (0.1% Tween®) before incubation with ab134942 and **ab7291** (Mouse anti-Alpha Tubulin [DM1A]) overnight at 4°C at a 1 in 1000 Dilution and a 1 in 20000 dilution respectively. Blots were incubated with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Immunoprecipitation - Anti-DPF2/REQ antibody
[EPR9206(B)] (ab134942)

ab134942 (purified) at 1/100 dilution (2µg) immunoprecipitating DPF2/REQ in HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate.

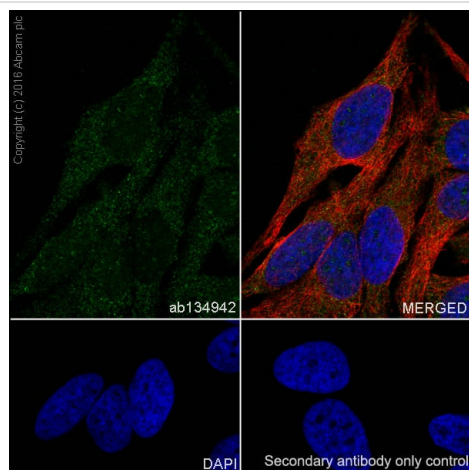
Lane 1 (input): HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate 10ug

Lane 2 (+): ab134942 + HeLa whole cell lysate

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab134942 in HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

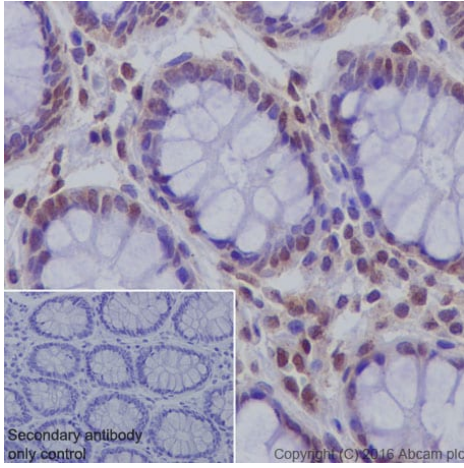
For western blotting, VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/1000 dilution.

Blocking and diluting buffer and concentration: 5% NFDM/TBST.



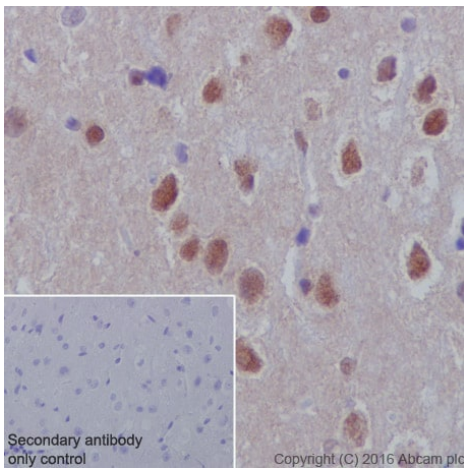
Immunocytochemistry/ Immunofluorescence - Anti-DPF2/REQ antibody [EPR9206(B)] (ab134942)

Immunocytochemistry/ Immunofluorescence analysis of HeLa (Human epithelial cell line from cervix adenocarcinoma) cells labeling DPF2/REQ with purified ab134942 at 1/200 dilution (8.3µg/ml). Cells were fixed in 4% paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with **ab195889**, an anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) at 1/200 (2.5 µg/ml). **ab150077**, a 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.



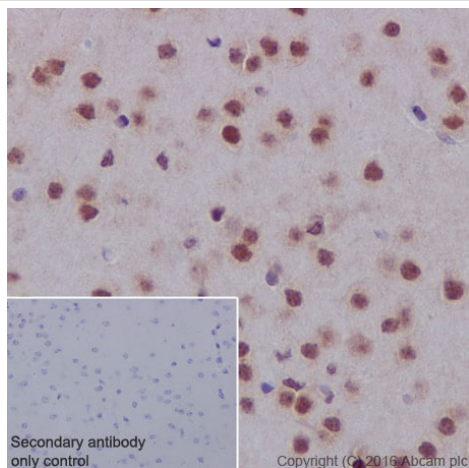
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DPF2/REQ antibody [EPR9206(B)] (ab134942)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon tissue sections labeling DPF2/REQ with purified ab134942 at 1/200 dilution (8.3 µg/ml). Heat mediated antigen retrieval was performed using EDTA Buffer, pH9. Tissue was counterstained with hematoxylin. [ab97051](#), a Goat Anti-Rabbit IgG H&L (HRP) secondary antibody was used at 1/500 dilution. PBS instead of the primary antibody was used as the negative control.



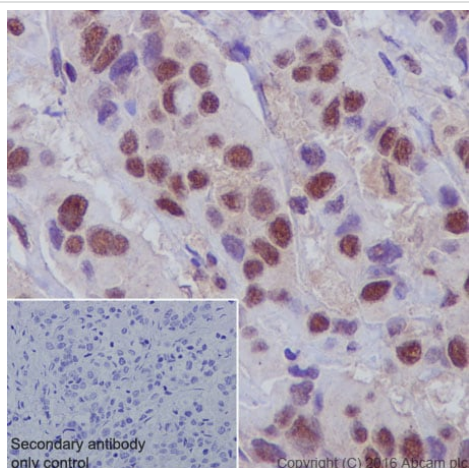
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DPF2/REQ antibody [EPR9206(B)] (ab134942)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat cerebral cortex tissue sections labeling DPF2/REQ with purified ab134942 at 1/200 dilution (8.3 µg/ml). Heat mediated antigen retrieval was performed using EDTA Buffer, pH9. Tissue was counterstained with hematoxylin. [ab97051](#), a Goat Anti-Rabbit IgG H&L (HRP) secondary antibody was used at 1/500 dilution. PBS instead of the primary antibody was used as the negative control.



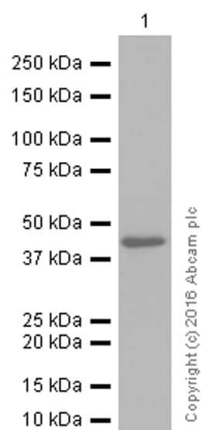
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse cerebral cortex tissue sections labeling DPF2/REQ with purified ab134942 at 1/200 dilution (8.3 µg/ml). Heat mediated antigen retrieval was performed using EDTA Buffer, pH9. Tissue was counterstained with hematoxylin. **ab97051**, a Goat Anti-Rabbit IgG H&L (HRP) secondary antibody was used at 1/500 dilution. PBS instead of the primary antibody was used as the negative control.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DPF2/REQ antibody [EPR9206(B)] (ab134942)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma tissue sections labeling DPF2/REQ with purified ab134942 at 1/200 dilution (8.3 µg/ml). Heat mediated antigen retrieval was performed using EDTA Buffer, pH9. Tissue was counterstained with hematoxylin. **ab97051**, a Goat Anti-Rabbit IgG H&L (HRP) secondary antibody was used at 1/500 dilution. PBS instead of the primary antibody was used as the negative control.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DPF2/REQ antibody [EPR9206(B)] (ab134942)



Western blot - Anti-DPF2/REQ antibody
[EPR9206(B)] (ab134942)

Anti-DPF2/REQ antibody [EPR9206(B)] (ab134942) at 1/2000 dilution (purified) + NIH/3T3 (Mouse embryonic fibroblast cell line) whole cell lysate at 20 µg

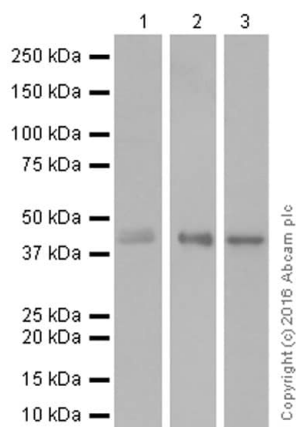
Secondary

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

Predicted band size: 44 kDa

Observed band size: 44 kDa

Blocking and diluting buffer: 5% NFDM/TBST.



Western blot - Anti-DPF2/REQ antibody
[EPR9206(B)] (ab134942)

All lanes : Anti-DPF2/REQ antibody [EPR9206(B)] (ab134942) at 1/1000 dilution (purified)

Lane 1 : PC-12 (Rat adrenal gland pheochromocytoma cell line) whole cell lysate

Lane 2 : HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lane 3 : LNCaP (Human prostate cancer cell line) whole cell lysate

Lysates/proteins at 20 µg per lane.

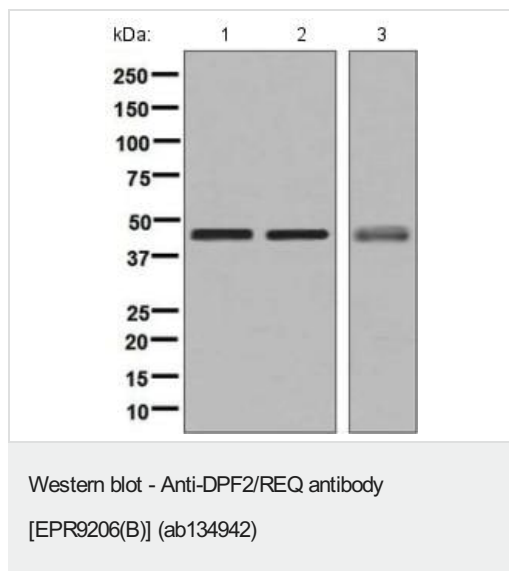
Secondary

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

Predicted band size: 44 kDa

Observed band size: 44 kDa

Blocking and diluting buffer: 5% NFDM/TBST.



All lanes : Anti-DPF2/REQ antibody [EPR9206(B)] (ab134942) at 1/1000 dilution (unpurified)

Lane 1 : HeLa cell lysate

Lane 2 : Jurkat cell lysate

Lane 3 : LNCaP cell lysate

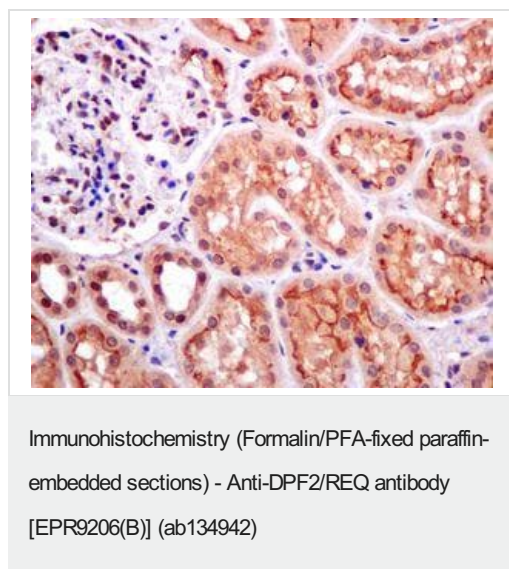
Lysates/proteins at 10 µg per lane.

Secondary

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

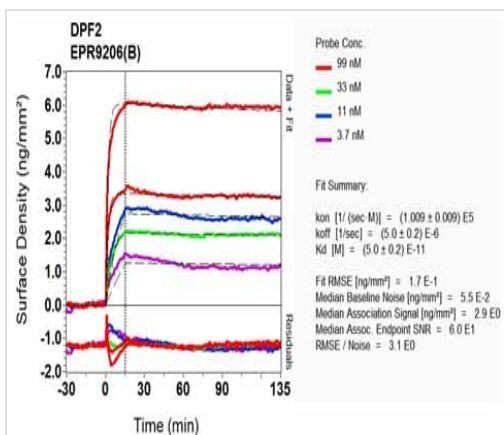
Developed using the ECL technique.

Predicted band size: 44 kDa



Immunohistochemical analysis of paraffin-embedded, formalin-fixed Human kidney tissue, labelling DPF2/REQ using unpurified ab134942 at a 1/100 dilution.

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



SPR Scanning - Anti-DPF2/REQ antibody
 [EPR9206(B)] (ab134942)

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

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Consistent and
reproducible results



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scalable supply**
Recombinant
technology



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first experiment**
Confirmed
specificity



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compliant**
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Anti-DPF2/REQ antibody [EPR9206(B)] (ab134942)

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