abcam

Product datasheet

Anti-DPF2/REQ antibody [EPR9206(B)] - BSA and Azide free ab232327

KO VALIDATED Recombinant RabMAb

10 Images

Overview

Product name	Anti-DPF2/REQ antibody [EPR9206(B)] - BSA and Azide free
Description	Rabbit monoclonal [EPR9206(B)] to DPF2/REQ - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** WB, IP, IHC-P, ICC/IF
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: A431, HeLa and LNCaP cell lysates. IHC-P: Human breast carcinoma, kidney and colon tissues; Rat and mouse cerebral cortex tissues. IP: HeLa cell lysate. ICC: HeLa cells.
General notes	ab232327 is the carrier-free version of **ab134942**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. 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**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR9206(B)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab232327 in the following tested applications.

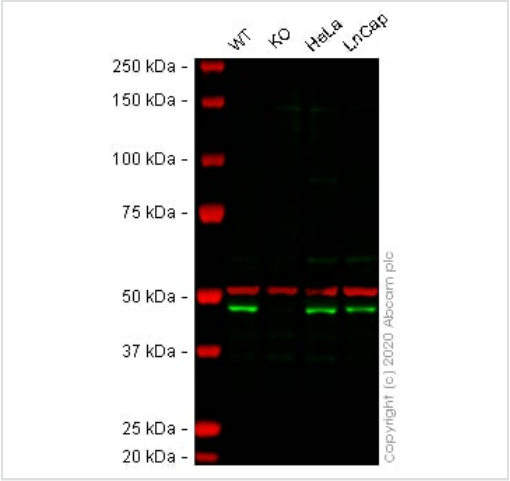
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 44 kDa.
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use at an assay dependent concentration.

Target

Function	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.
Tissue specificity	Ubiquitous.
Sequence similarities	Belongs to the requiem/DPF family. Contains 1 C2H2-type zinc finger. Contains 2 PHD-type zinc fingers.
Cellular localization	Nucleus. Cytoplasm. 30% nuclear. 70% cytoplasmic.

Images



Western blot - Anti-DPF2/REQ antibody [EPR9206(B)] - BSA and Azide free (ab232327)

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.

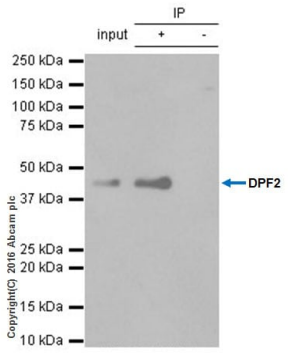
Performed under reducing conditions.

Predicted band size: 44 kDa
Observed band size: 50 kDa

This data was developed using the same antibody clone in a different buffer formulation (**ab134942**).

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)] - BSA and Azide free (ab232327)

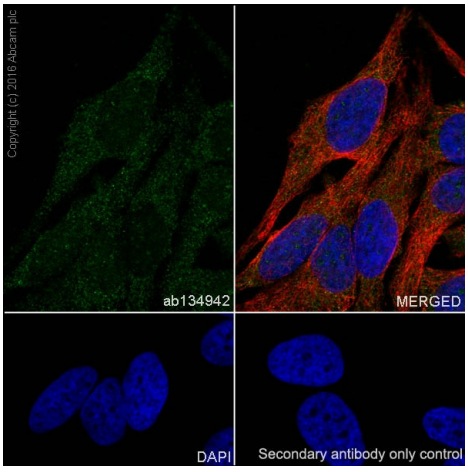
ab134942 (purified) at 1/100 dilution (2µg) immunoprecipitating DPF2/REQ in HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate.

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.

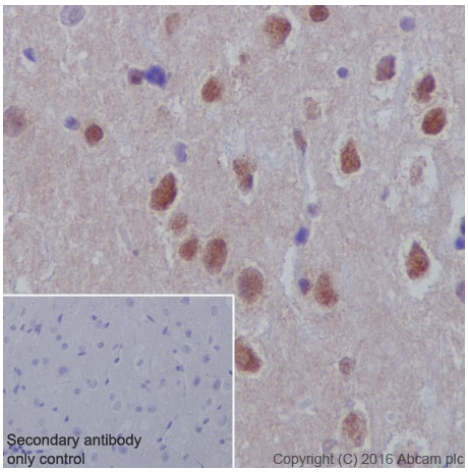
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab134942**).



Immunocytochemistry/ Immunofluorescence - Anti-DPF2/REQ antibody [EPR9206(B)] - BSA and Azide free (ab232327)

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.

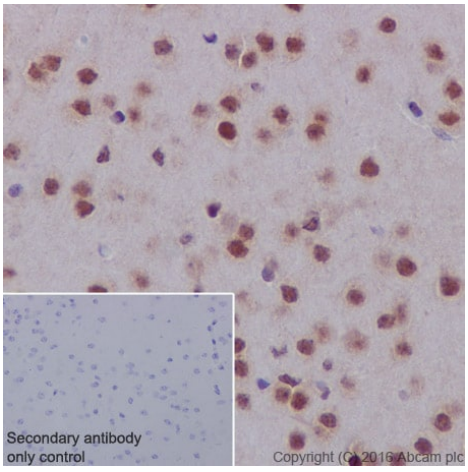
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab134942**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DPF2/REQ antibody [EPR9206(B)] - BSA and Azide free (ab232327)

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.

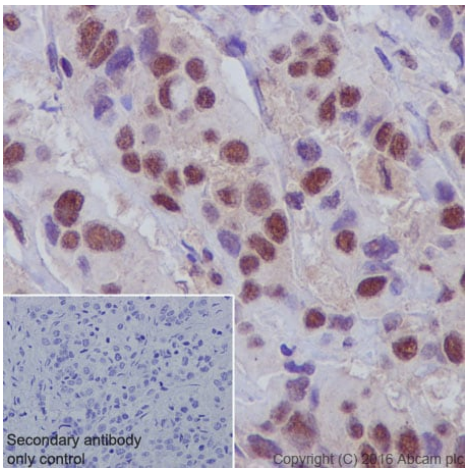
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab134942**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DPF2/REQ antibody [EPR9206(B)] - BSA and Azide free (ab232327)

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.

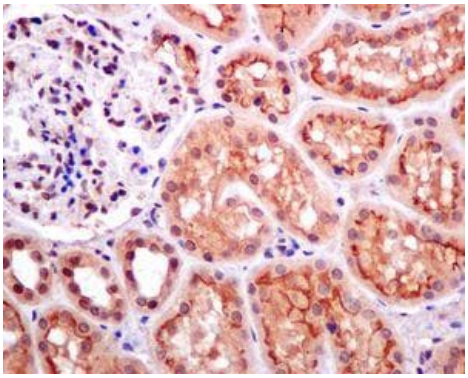
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab134942**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DPF2/REQ antibody [EPR9206(B)] - BSA and Azide free (ab232327)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab134942**).

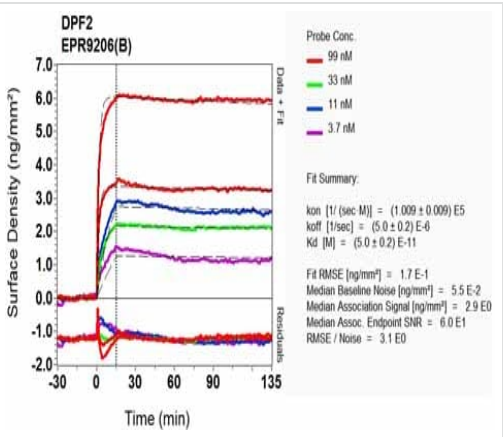


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DPF2/REQ antibody [EPR9206(B)] - BSA and Azide free (ab232327)

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab134942**).

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



OI-RD Scanning - Anti-DPF2/REQ antibody [EPR9206(B)] - BSA and Azide free (ab232327)

Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D

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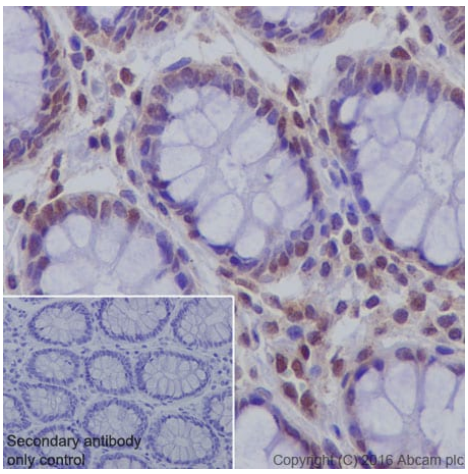
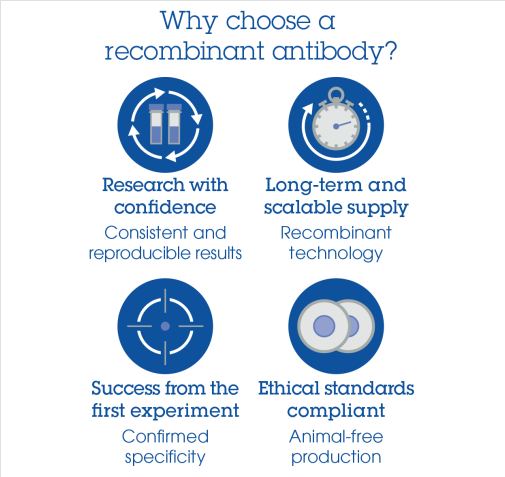


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DPF2/REQ antibody [EPR9206(B)] - BSA and Azide free (ab232327)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab134942**).



Anti-DPF2/REQ antibody [EPR9206(B)] - BSA and Azide free (ab232327)

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