abcam

Product datasheet

Rabbit IgG, monoclonal [EPR25A] - Isotype Control ab172730

重组 RabMAb

457 References 15 图像

概述

产品名称	兔IgG,单克隆抗体[EPR25A] -同型对照
经测试应用	**适用于:** ICC/IF, Flow Cyt, IHC-P, ChIP-sequencing, IP, ChIC/CUT&RUN-seq
免疫原	Chemical/ Small Molecule conjugated to keyhole limpet haemocyanin. KLH is a copper containing oxygen carrier occurring freely dissolved in the hemolymph of many molluscs and arthropods. KLH forms a large complex composed of ~50 kDa subunits.
常规说明	KLH is often used in molecular immunology as a carrier protein conjugated to low molecular weight molecules such as peptides, amino acids, nucleic acids, drugs or toxins to render them more immunogenic due to the size of the conjugate complex and the immunogenicity of KLH. 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**.

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	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR25A
同种型	IgG

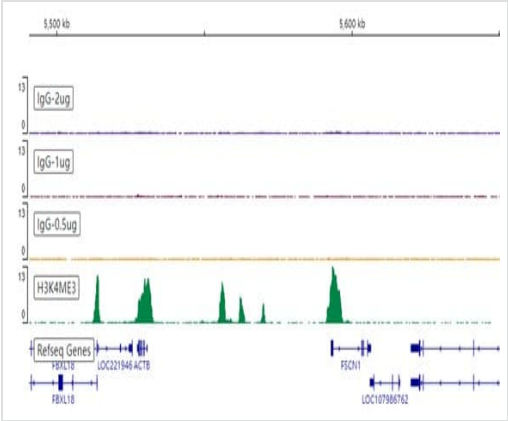
应用

The Abpromise guarantee **Abpromise™承诺保证使用ab172730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
ICC/IF		Use at an assay dependent concentration. **Please note**: This product should be diluted to the same concentration (not dilution) of the primary antibody to be used.
Flow Cyt		Use at an assay dependent concentration. **Please note**: This product should be diluted to the same concentration (not dilution) of the primary antibody to be used.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. **Please note**: This product should be diluted to the same concentration (not dilution) of the primary antibody to be used.
ChIP-sequencing		Use at an assay dependent concentration. PubMed: 26455392
IP		Use at an assay dependent concentration.
ChIC/CUT&RUN-seq		Use at an assay dependent concentration. 0.5 µg - 2µg

图片

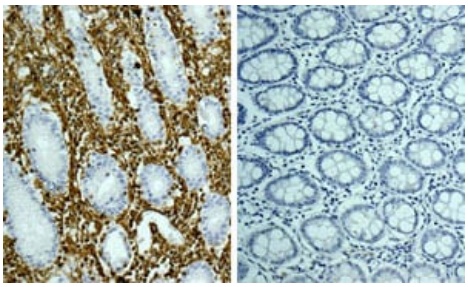


ChIC/CUT&RUN sequencing - Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730)

ChIC/CUT&RUN was performed using a pAG-MNAse at a final concentration of 700 ng/mL, 2.5 x 10^5 HeLa (Human cervix adenocarcinoma epithelial cell line) cells and 0.5 µg, 1 µg or 2µg of ab172730 [EPR25A]. The resulting DNA was sequenced on the Illumina NovaSeq 6000 to a depth of 10 million reads. H3K4me3 (**ab213224**) used for comparison.

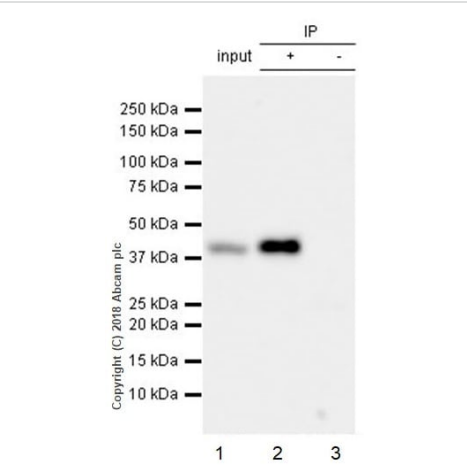
Additional screenshots of mapped reads can be downloaded **here**.

The University of Geneva owns patents relevant to ChIC (Chromatin Immuno-Cleavage) methods.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730)

Immunohistochemical analysis of paraffin-embedded human colon tissue using anti-Vimentin RabMAb (**ab92547**, left panel) (brown) and Rabbit mAb IgG control (ab172730, right panel).

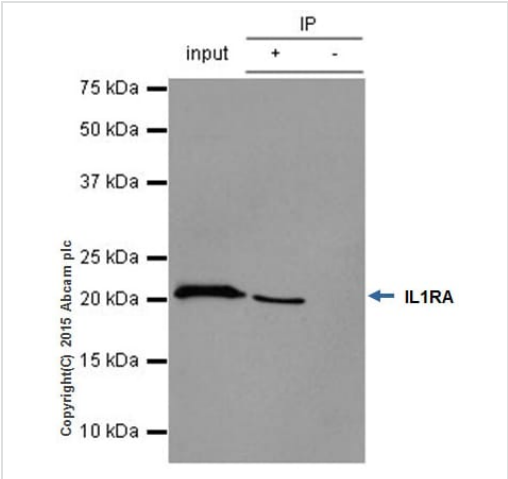


Immunoprecipitation - Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730)

LINE-1 ORF1p was immunoprecipitated from 0.35 mg F9 (mouse embryonal carcinoma epithelial cell) whole cell lysate with **ab216324** at 1/30 dilution. Western blot was performed from the immunoprecipitate using **ab216324** at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/5000 dilution.

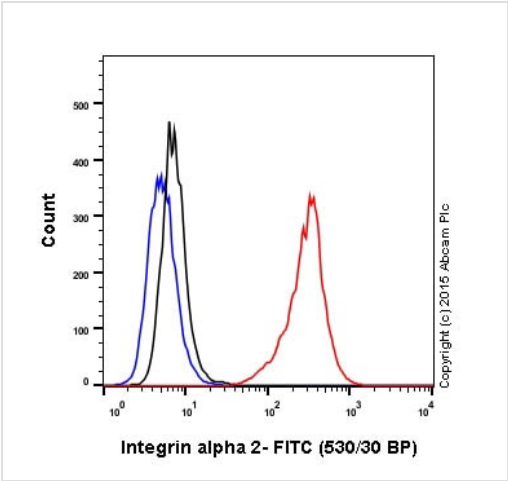
Lane 1: F9 whole cell lysate 10 µg (Input).
Lane 2: **ab216324** IP in F9 whole cell lysate.
Lane 3: Rabbit monoclonal IgG (ab172730) instead of **ab216324** in F9 whole cell lysate.

Blocking/Dilution buffer: 5% NFDM/TBST.
Exposure time: 30 seconds.



Immunoprecipitation - Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730)

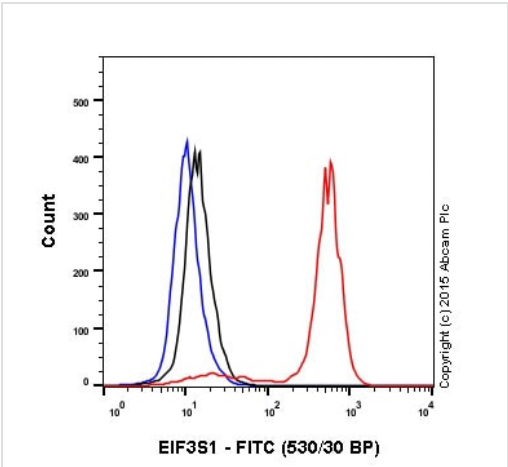
ab124962 (purified) at 1/20 immunoprecipitating IL-1RA in NIH/3T3 whole cell lysate.
Lane 1 (input): NIH/3T3 whole cell lysate (10µg)
Lane 2 (+): **ab124962** + NIH/3T3 whole cell lysate.
Lane 3 (-): Rabbit monoclonal IgG (ab172730) instead of **ab124962** in NIH/3T3 whole cell lysate.
For western blotting, VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/10,000 dilution.
Blocking buffer and concentration: 5% NFDM/TBST.
Diluting buffer and concentration: 5% NFDM /TBST.



Flow Cytometry - Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730)

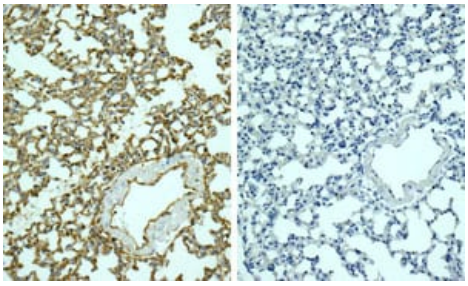
Overlay histogram showing A549 (human lung carcinoma) cells stained with **ab133557** (red line). The cells were fixed with 2% paraformaldehyde. The cells were then incubated with **ab133557** at 1/60 dilution. The secondary antibody used was goat anti-rabbit IgG (FITC) at 1/150 dilution. Isotype control antibody (black line) was rabbit IgG (monoclonal) (ab172730). Unlabelled control (blue line) was cells without incubation with primary antibody and secondary antibody. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 530/30 bandpass filter.

Conjugated versions are available for this clone: Alexa Fluor® 488 (**ab199091**), Alexa Fluor® 647 (**ab199093**), R-PE (**ab209478**), APC (**ab232814**).



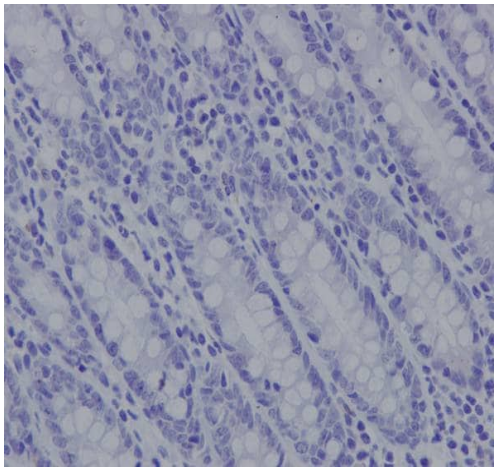
Flow Cytometry - Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730)

Overlay histogram showing K562 (human chronic myelogenous leukemia) cells stained with **ab196018** (red line). The cells were fixed with 2% paraformaldehyde. The cells were then incubated with **ab196018** at 1/150 dilution. The secondary antibody used was goat anti-rabbit IgG (FITC) at 1/150 dilution. Isotype control antibody (black line) was rabbit IgG (monoclonal) (ab172730). Unlabelled control (blue line) was cells without incubation with primary antibody and secondary antibody. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 530/30 bandpass filter.



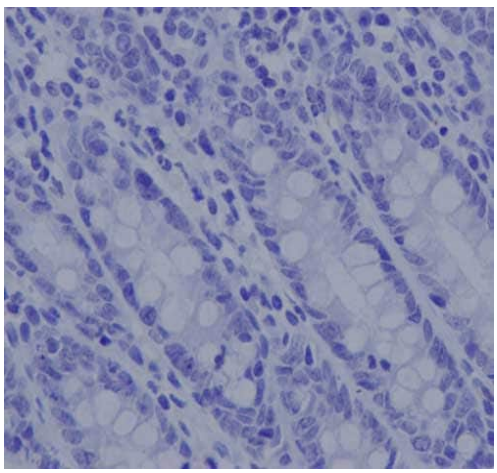
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730)

Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-Vimentin RabMAb (**ab92547**, left panel) (brown) and Rabbit mAb IgG control (ab172730, right panel).



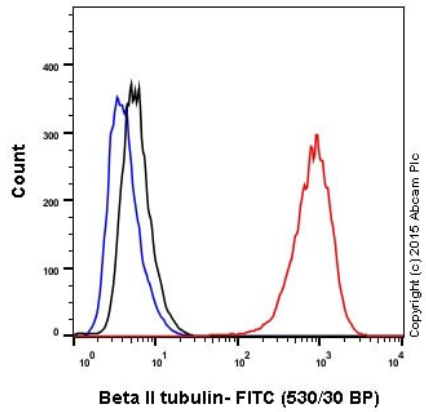
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon tissue with unpurified Rabbit IgG ab172730 at 1/10. 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. Counterstained with Hematoxylin.



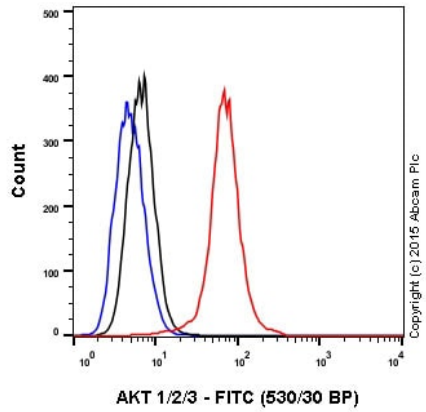
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon tissue with purified Rabbit IgG ab172730 at 1/100. 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. Counterstained with Hematoxylin.



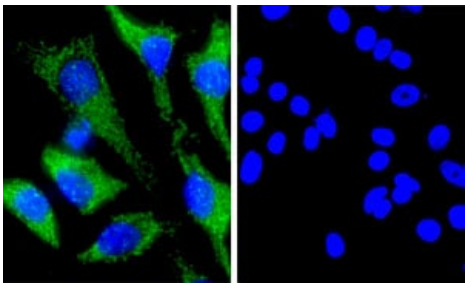
Flow Cytometry - Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730)

Overlay histogram showing SH-SY5Y (human neuroblastoma) cells stained with **ab179513** (red line). The cells were fixed with 2% paraformaldehyde. The cells were then incubated with **ab179513** at 1/150 dilution. The secondary antibody used was goat anti-rabbit IgG (FITC) at 1/150 dilution. Isotype control antibody (black line) was rabbit IgG (monoclonal) (ab172730). Unlabelled control (blue line) was cells without incubation with primary antibody and secondary antibody. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 530/30 bandpass filter.



Flow Cytometry - Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730)

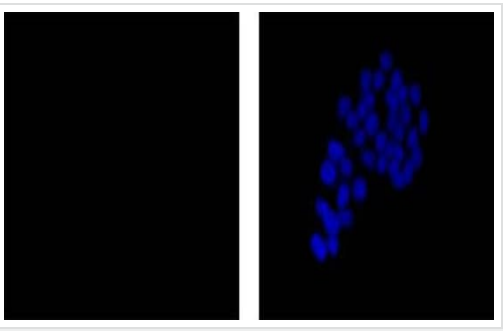
Overlay histogram showing A549 (human lung carcinoma) cells stained with **ab185633** (red line). The cells were fixed with 2% paraformaldehyde. The cells were then incubated with **ab185633** at 1/150 dilution. The secondary antibody used was goat anti-rabbit IgG (FITC) at 1/150 dilution. Isotype control antibody (black line) was rabbit IgG (monoclonal) (ab172730). Unlabelled control (blue line) was cells without incubation with primary antibody and secondary antibody. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 530/30 bandpass filter



Immunocytochemistry/ Immunofluorescence - Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730)

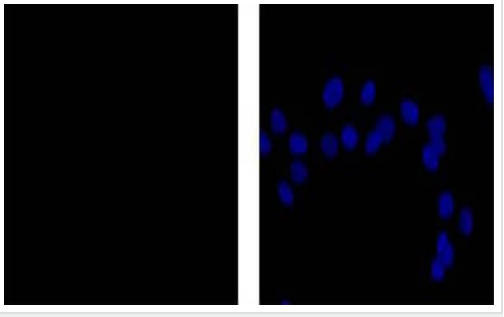
Immunofluorescent staining of HeLa cells using anti-AIF RabMAb (**ab32516**, left panel) (green) and Rabbit mAb IgG control (ab172730, right panel). DAPI nuclear staining (blue).

Conjugated versions are available for this clone: Alexa Fluor® 488 (**ab199091**), Alexa Fluor® 647 (**ab199093**), R-PE (**ab209478**), APC (**ab232814**).



Immunocytochemistry/ Immunofluorescence - Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730)

Immunocytochemistry/immunofluorescence analysis of HeLa cells with purified Rabbit IgG ab172730 at 1/100. Cells were fixed with 4% paraformaldehyde. An Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/200) was used as the secondary antibody. Counterstained with DAPI (blue).



Immunocytochemistry/ Immunofluorescence - Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730)

Immunocytochemistry/immunofluorescence analysis of HeLa cells with unpurified Rabbit IgG ab172730 at 1/10. Cells were fixed with 4% paraformaldehyde. An Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/200) was used as the secondary antibody. Counterstained with DAPI (blue).

Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730)

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