abcam

Product datasheet

Anti-Cyclophilin A antibody [1F4-1B5] ab58144

★★★★★ 2 Abreviews 21 References 4 图像

概述

产品名称	Anti-Cyclophilin A抗体[1F4-1B5]
描述	小鼠单克隆抗体[1F4-1B5] to Cyclophilin A
宿主	Mouse
经测试应用	**适用于:** WB, ICC/IF, IP, Flow Cyt
种属反应性	**与反应:** Human
免疫原	Recombinant full length protein corresponding to Human Cyclophilin A aa 1-165.
常规说明	This product was changed from ascites to tissue culture supernatant on 22/03/2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.40 Constituent: 100% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	1F4-1B5
同种型	IgG2a
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab58144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)	Use at an assay dependent concentration. Predicted molecular weight: 18 kDa.
ICC/IF		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. **ab170191** - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

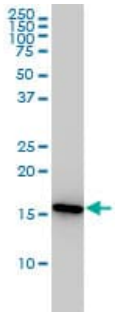
靶标

功能 PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.

序列相似性 Belongs to the cyclophilin-type PPIase family. PPIase A subfamily.
Contains 1 PPIase cyclophilin-type domain.

细胞定位 Cytoplasm.

图片



Western blot - Anti-Cyclophilin A antibody [1F4-1B5] (ab58144)

Cyclophilin A antibody (ab58144) at 1ug/lane + Jurkat cell lysate at 25ug/lane.

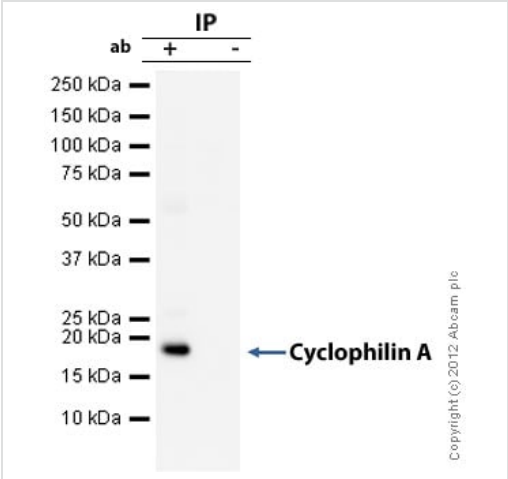
This image was generated using the ascites version of the product.

Immunocytochemistry/ Immunofluorescence - Anti-Cyclophilin A antibody [1F4-1B5] (ab58144)

ICC/IF image of ab58144 stained HeLa cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab58144, 1µg/ml) overnight at +4°C. The secondary antibody

(green) was Alexa Fluor® 488 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

This image was generated using the ascites version of the product.



Immunoprecipitation - Anti-Cyclophilin A antibody [1F4-1B5] (ab58144)

Cyclophilin A was immunoprecipitated using 0.5mg Hela whole cell extract, 10µg of Mouse monoclonal to Cyclophilin A and 50µl of protein G magnetic beads (+). No antibody was added to the control (-).
The antibody was incubated under agitation with Protein G beads for 10min, Hela whole cell extract lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation.
Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70°C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab58144.
Secondary: Protein G-HRP at 1/500 dilution.
Band: 18kDa: Cyclophilin A.

This image was generated using the ascites version of the product.

Flow Cytometry - Anti-Cyclophilin A antibody [1F4-1B5] (ab58144)

Overlay histogram showing HeLa cells stained with ab58144 (red line). The cells were fixed with 4% paraformaldehyde and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab58144, 0.5µg/1x10^6 cells) for 30 min at 22ºC. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22ºC. Isotype control antibody (black line) was mouse IgG2a [ICIGG2A] (**ab91361**, 1µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed.

This image was generated using the ascites version of the product.

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