abcam

Product datasheet

Rabbit IgG, polyclonal - Isotype Control (ChIP Grade) ab171870

245 References 4 图像

概述

产品名称	**兔IgG,多克隆抗体-同型对照**(ChIP Grade)
特异性	The sera for this product is un-immunized, naive sera.
经测试应用	**适用于:** WB, ChIP, Flow Cyt (Intra)
常规说明	For more information regarding the isotype control selection, please see **https://www.abcam.com/primary-antibodies/your-guide-to-selecting-an-isotype-control**

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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches with a concentration less than 1 mg/ml will have 1% BSA
纯度	Protein G purified
克隆	**多克隆**
同种型	IgG

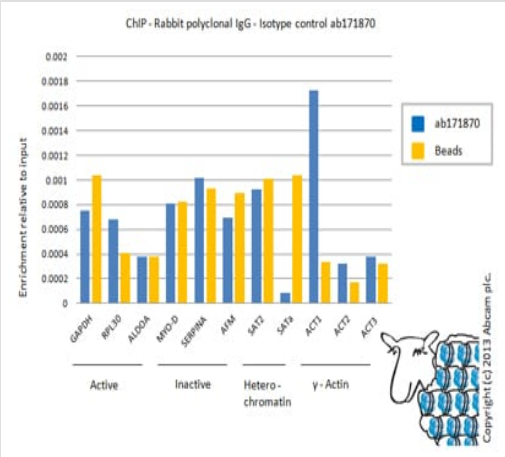
应用

The Abpromise guarantee **Abpromise™承诺保证使用ab171870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。

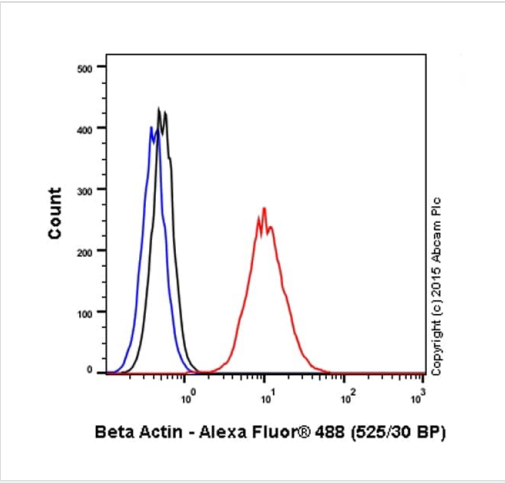
应用	Ab评论	说明
WB		Use a concentration of 1 µg/ml.
ChIP		Use a concentration of 1 µg/ml.
Flow Cyt (Intra)		Use at an assay dependent concentration. Please note: This product should be diluted to the same concentration (not dilution) of the primary antibody to be used.

图片



Rabbit IgG, polyclonal - Isotype Control (ChIP Grade) (ab171870)

Chromatin was prepared from HeLa cells according to the Abcam X-ChIP protocol. Cells were fixed with formaldehyde for 10 minutes. The ChIP was performed with 25µg of chromatin, 2µg of ab171870 (blue), and 20µl of Protein A/G sepharose beads. No antibody was added to the beads control (yellow). The immunoprecipitated DNA was quantified by real time PCR (Taqman approach for active and inactive loci, Sybr green approach for heterochromatic loci). Primers and probes are located in the first kb of the transcribed region.

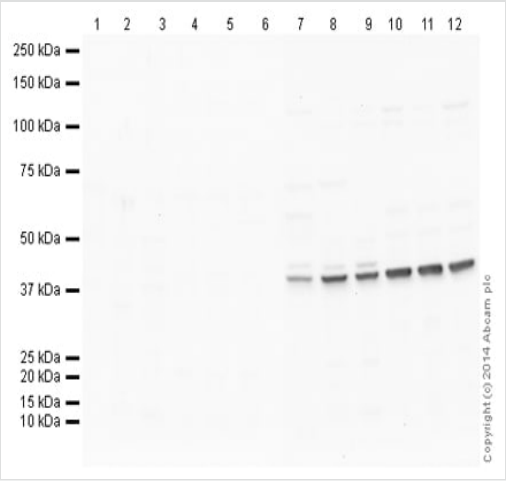


Flow Cytometry (Intracellular) - Rabbit IgG, polyclonal - Isotype Control (ChIP Grade) (ab171870)

Overlay histogram showing HeLa cells stained with **ab75186** (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Triton X-100 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 (**ab75186**, 0.05µg/1x10^6 cells) for 30 min at 22ºC. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H&L) (**ab150081**) at 1/4000 dilution for 30 min at 22ºC.

Isotype control antibody (black line) was rabbit IgG (polyclonal) (**ab171870**, 0.05µg/1x10^6 cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control.

Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.



Western blot - Rabbit IgG, polyclonal - Isotype Control (ChIP Grade) (ab171870)

Lanes 1-6 : Rabbit IgG, polyclonal - Isotype Control (ChIP Grade) (ab171870) at 1 µg/ml
Lanes 7-12 : Anti-beta Actin antibody (**ab8227**) at 1 µg/ml

Lanes 1 & 7 : Human liver tissue lysate - total protein (**ab29889**)
Lanes 2 & 8 : Liver (Mouse) Tissue Lysate
Lanes 3 & 9 : Liver (Rat) Tissue Lysate
Lanes 4 & 10 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate
Lanes 5 & 11 : Jurkat (Human T cell lymphoblast-like cell line) Whole Cell Lysate
Lanes 6 & 12 : HEK293 (Human embryonic kidney cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/10000 dilution

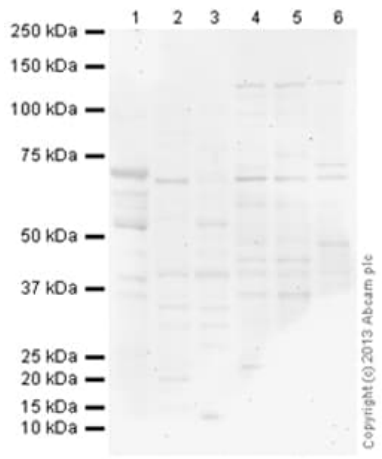
Developed using the ECL technique.

Performed under reducing conditions.

Exposure time: 2 minutes

Please note that ab171870 in lanes 1-6 represents a negative control for Beta Actin, positively seen in lanes 7-12.

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 5% Bovine Serum Albumin before being incubated with ab171870 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution.



Western blot - Rabbit IgG, polyclonal - Isotype Control (ChIP Grade) (ab171870)

All lanes : Rabbit IgG, polyclonal - Isotype Control (ChIP Grade) (ab171870) at 1 µg/ml

Lane 1 : Liver (Human) Tissue Lysate - adult normal tissue
Lane 2 : Brain (Mouse) Tissue Lysate
Lane 3 : Rat Kidney Tissue Lysate
Lane 4 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate
Lane 5 : HepG2 (Human hepatocellular liver carcinoma cell line) Whole Cell Lysate
Lane 6 : MCF7 (Human breast adenocarcinoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Exposure time: 20 minutes

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 5% Bovine Serum Albumin before being incubated with ab171870 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution.

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.cn/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors