


Anti-HOXB13 antibody [mAbcam53931] ab53931

2 References **3 图像**

概述

| | |
|-------|---|
| 产品名称 | Anti-HOXB13抗体[mAbcam53931] |
| 描述 | 小鼠单克隆抗体[mAbcam53931] to HOXB13 |
| 宿主 | Mouse |
| 经测试应用 | 适用于: Flow Cyt (Intra), WB, ICC/IF |
| 种属反应性 | 与反应: Human 预测可用于: Mouse  |
| 免疫原 | Synthetic peptide conjugated to KLH derived from within residues 100 - 200 of Human HOXB13. 参阅Abcam的专有抗源政策(Peptide available as ab57024 .) |
| 阳性对照 | This antibody gave a positive signal against the HOXB13 (Human) Recombinant Protein. |
| 常规说明 | <p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>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.</p> <p>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</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 or -80°C. Avoid freeze / thaw cycle. |
| 存储溶液 | pH: 7.4 Preservative: 0.02% Sodium azide Constituent: 1% BSA |
| 纯度 | Protein G purified |
| 克隆 | 单克隆 |
| 克隆编号 | mAbcam53931 |

骨髓瘤 Sp2/0-Ag14
同种型 IgG2a

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab53931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 |
|------------------|------|---|
| Flow Cyt (Intra) | | Use 1µg for 10 ⁶ cells. ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody. |
| WB | | Use a concentration of 1 - 5 µg/ml. Detects a band of approximately 57 kDa corresponding to the tagged recombinant HOXB13 protein |
| ICC/IF | | Use a concentration of 1 µg/ml. |

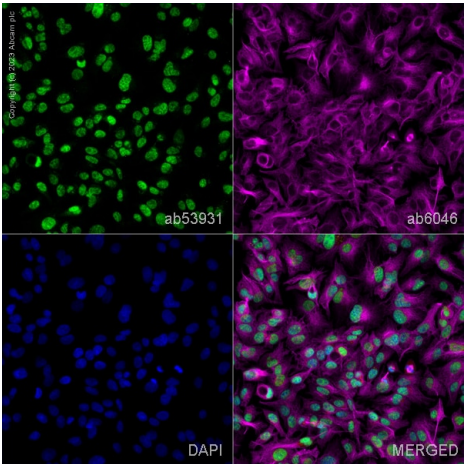
靶标

功能 Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis.

序列相似性 Belongs to the Abd-B homeobox family.
Contains 1 homeobox DNA-binding domain.

细胞定位 Nucleus.

图片

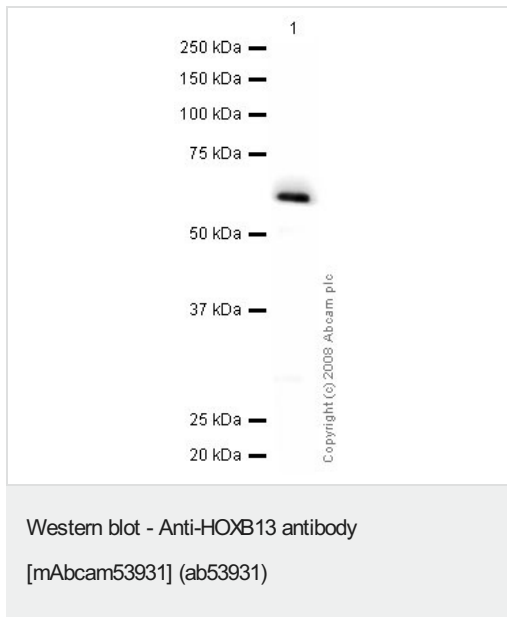


Immunocytochemistry/ Immunofluorescence - Anti-HOXB13 antibody [mAbcam53931] (ab53931)

ab53931 staining HOXB13 in HepG2 cells. The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.1% PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with ab53931 at 5µg/ml and **ab6046**, Rabbit polyclonal to beta Tubulin - Loading Control. Cells were then incubated with **ab150117**, Goat polyclonal Secondary Antibody to Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and **ab150080**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in pseudocolour magenta). Nuclear DNA was labelled with DAPI (shown in blue).

Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal

sections is shown.



Anti-HOXB13 antibody [mAbcam53931] (ab53931) at 5 µg/ml +
HOXB13 Recombinant protein at 0.1 µg

Secondary

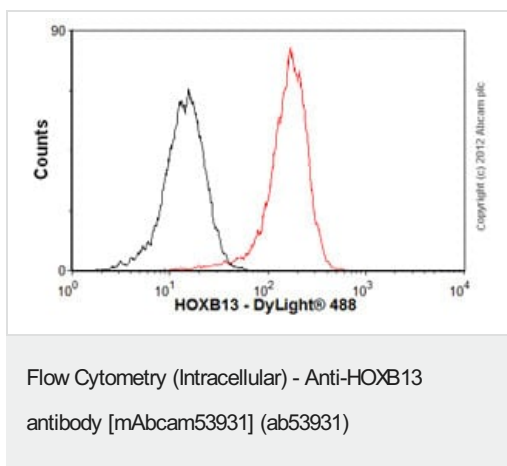
Goat polyclonal to Mouse IgG - H&L - Pre-Adsorbed (HRP) at
1/3000 dilution

Performed under reducing conditions.

Predicted band size: 31 kDa

Observed band size: 57 kDa

ab53931 recognizes the tagged HOXB13 recombinant protein
which has an expected molecular weight of 57 kDa.



Overlay histogram showing HeLa cells stained with ab53931 (red line). The cells were fixed with 80% methanol (5 min) 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 (ab53931, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG (1µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.

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