


Anti-HIF1 beta antibody [2B10] ab2771

★★★★★ [7 Abreviews](#) [21 References](#) [5 图像](#)

概述

| | |
|-------|---|
| 产品名称 | Anti-HIF1 beta抗体[2B10] |
| 描述 | 小鼠单克隆抗体[2B10] to HIF1 beta |
| 宿主 | Mouse |
| 特异性 | Detects aryl hydrocarbon (Ah) receptor nuclear translocator (ARNT). |
| 经测试应用 | 适用于: Flow Cyt, WB, ICC/IF, IHC-P, IP |
| 种属反应性 | 与反应: Mouse, Rat, Human, Xenopus laevis, Fish, Non human primates, Zebrafish, African green monkey 预测可用于: Rabbit, Cow  |
| 免疫原 | Synthetic peptide corresponding to Human HIF1 beta aa 771-789. Sequence: NSYNNEEFPDLTMFPPFSE |

 [Run BLAST with](#)

 [Run BLAST with](#)

常规说明

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 | Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 99% PBS |
| 纯度 | Affinity purified |
| 克隆 | 单克隆 |
| 克隆编号 | 2B10 |

同种型

IgG1

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab2771于以下的经测试应用

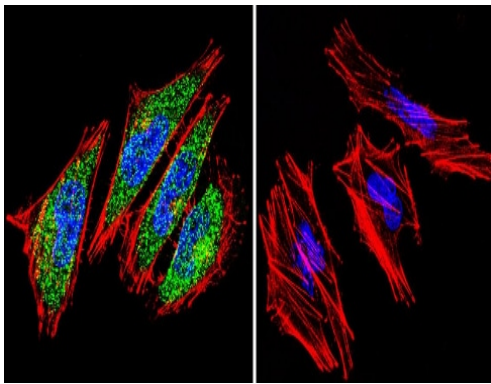
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用 | Ab评论 | 说明 |
|-----------------|-----------|--|
| Flow Cyt | | Use 1µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody. |
| WB | ★★★★★ (6) | Use at an assay dependent concentration. |
| EMSA | | Use at an assay dependent concentration. |
| Gel Shift Assay | | Use at an assay dependent concentration. |
| ICC/IF | | 1/1000. |
| IHC-P | | Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |
| IP | ★★★★★ (1) | Use at an assay dependent concentration. |

靶标

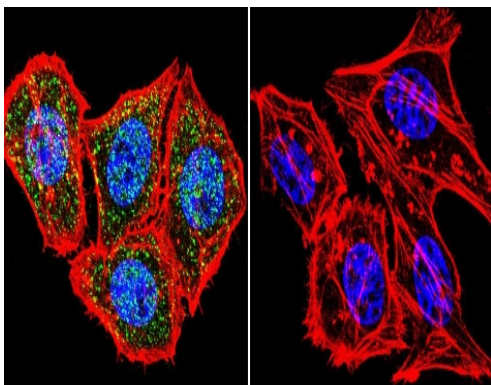
| | |
|-------|---|
| 功能 | Required for activity of the Ah (dioxin) receptor. This protein is required for the ligand-binding subunit to translocate from the cytosol to the nucleus after ligand binding. The complex then initiates transcription of genes involved in the activation of PAH procarcinogens. The heterodimer with HIF1A or EPAS1/HIF2A functions as a transcriptional regulator of the adaptive response to hypoxia. |
| 序列相似性 | Contains 1 basic helix-loop-helix (bHLH) domain. Contains 1 PAC (PAS-associated C-terminal) domain. Contains 2 PAS (PER-ARNT-SIM) domains. |
| 细胞定位 | Nucleus. |

图片



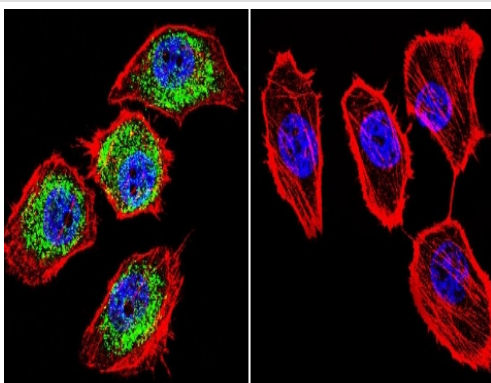
Immunocytochemistry/ Immunofluorescence - Anti-HIF1 beta antibody [2B10] (ab2771)

Immunocytochemistry/Immunofluorescence analysis of HIF1 beta shows staining in A2058 cells. HIF1 beta (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with ab2771 (1:100) overnight at 4°C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody. Images were taken at 60X magnification.



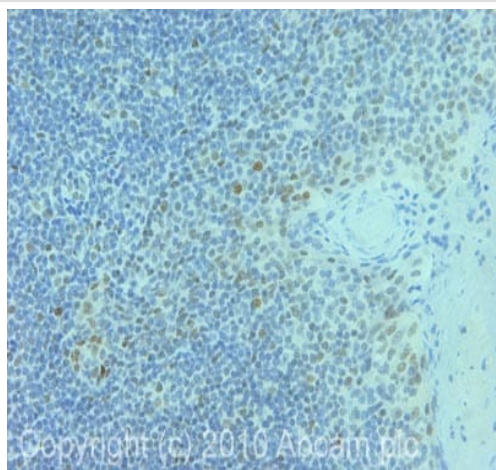
Immunocytochemistry/ Immunofluorescence - Anti-HIF1 beta antibody [2B10] (ab2771)

Immunocytochemistry/Immunofluorescence analysis of HIF1 beta shows staining in HeLa cells. HIF1 beta (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with ab2771 (1:20) overnight at 4°C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody. Images were taken at 60X magnification.



Immunocytochemistry/ Immunofluorescence - Anti-HIF1 beta antibody [2B10] (ab2771)

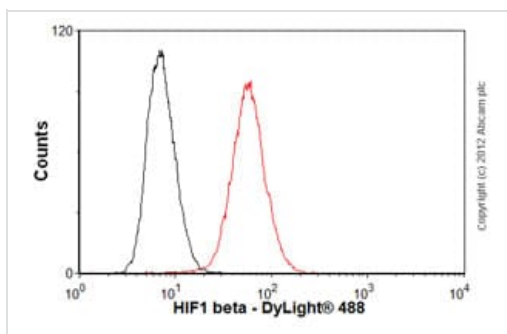
Immunocytochemistry/Immunofluorescence analysis of HIF1 beta shows staining in U251 cells. HIF1 beta (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with ab2771 (1:100) overnight at 4°C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody. Images were taken at 60X magnification.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HIF1 beta antibody [2B10] (ab2771)

IHC image of ab2771 staining in human tonsil formalin fixed paraffin embedded tissue section, performed on a Leica BondTM system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab2771, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Flow Cytometry - Anti-HIF1 beta antibody [2B10] (ab2771)

Overlay histogram showing PC12 cells stained with ab2771 (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 (ab2771, 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 IgG1 [ICIGG1] (**ab91353**, 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in PC12 cells fixed with 4% paraformaldehyde (10 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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