

Anti-Integrin alpha 2+beta 1 antibody [16B4] ab30483

★★★★☆ **4 Abreviews** **13 References** **3 图像**

概述

产品名称	Anti-Integrin alpha 2+beta 1 抗体[16B4]
描述	小鼠单克隆抗体[16B4] to Integrin alpha 2+beta 1
宿主	Mouse
经测试应用	适用于: ICC/IF, Flow Cyt
种属反应性	与反应: Human
免疫原	Full length native protein (purified). This information is proprietary to Abcam and/or its suppliers.
阳性对照	ICC-IF: A431 cells
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 long term.
存储溶液	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 6.97% L-Arginine</p>
纯度	Protein G purified
纯化说明	ab30483 was purified from tissue culture supernatant
Primary antibody说明	ab30483 is identified as capable of immunoprecipitating a non-reducible alpha subunit from I ¹²⁵ surface labelled Human cell line extract. It is confirmed as specific to the alpha 2 subunit by relative expression of antigen on various cell lines by FACS, and its recognition of affinity purified

alpha 2 beta 1 in dot blots.

克隆	单克隆
克隆编号	16B4
骨髓瘤	x63-Ag8.653
同种型	IgG1

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab30483于以下的经测试应用

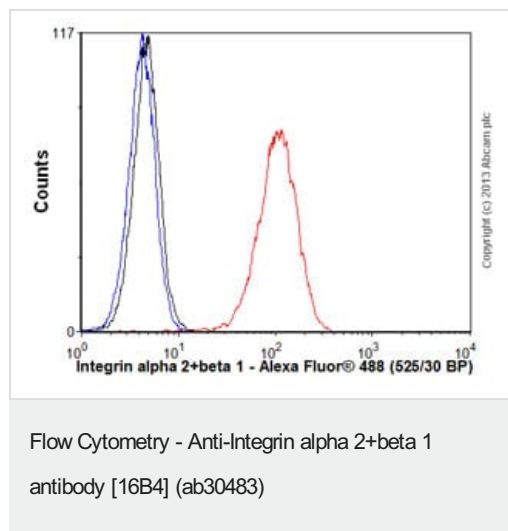
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF	★★★★★ (2)	Use a concentration of 5 - 10 µg/ml.
Flow Cyt		Use 0.1µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

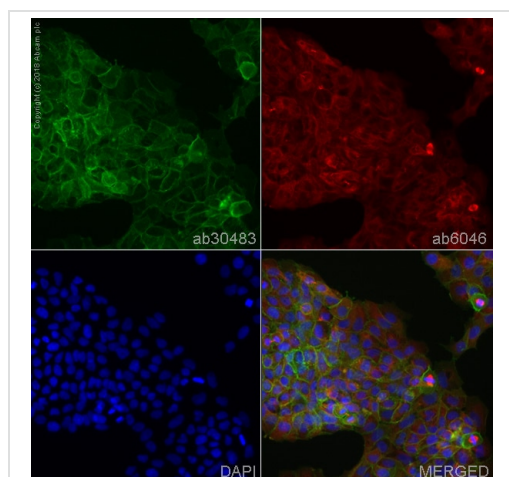
靶标

细胞定位 Cell Membrane; single-pass type I membrane protein

图片

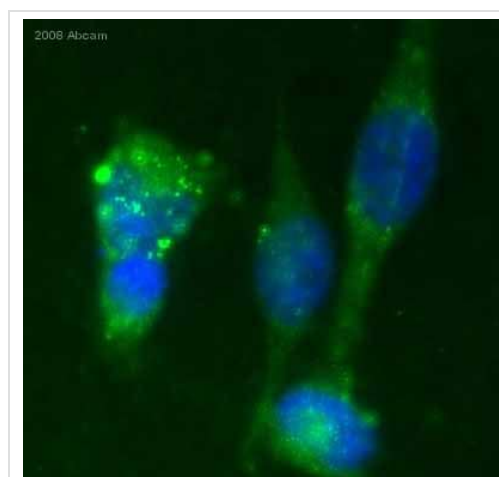


Overlay histogram showing HT1080 cells stained with ab30483 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab30483, 0.1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was a goat **anti-mouse Alexa Fluor® 488** (IgG; H+L) (**ab150113**) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (**ab91353**, 1µg/1x10⁶ 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. This antibody gave a positive signal in HT1080 cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.



Immunocytochemistry/ Immunofluorescence - Anti-Integrin alpha 2+beta 1 antibody [16B4] (ab30483)

ab30483 stained in A431 cells. The cells were fixed with 4% paraformaldehyde (10min) at room temperature and incubated with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 1 hour at room temperature to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with ab30483 at 5 µg/ml and **ab6046** (Rabbit polyclonal to beta tubulin) at 1 ug/ml overnight at +4°C. The secondary antibodies were **ab150117** (colored green) used at 1 ug/ml and **ab150087** (pseudo-colored red) used at 2 µg/ml for 1 hour at room temperature. DAPI was used to stain the cell nuclei (colored blue) at a concentration of 1.43 µM for 1 hour at room temperature.



Immunocytochemistry/ Immunofluorescence - Anti-Integrin alpha 2+beta 1 antibody [16B4] (ab30483)

This image is courtesy of an Abreview submitted by Dr Sharon Sneddon

ab30483 staining human breast cancer cells by ICC/IF. Cells were PFA fixed and blocked with 1% serum for 16 hours at 20°C prior to incubating with ab30483 (at 30µg/ml) for 16 hours at 4°C. An Alexa Fluor® 488 conjugated goat anti-mouse antibody, diluted 1/200, was used as the secondary.

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