

# PE Anti-Integrin alpha 6 antibody [450-30A] ab30497

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### 概述

产品名称	PE Anti-Integrin alpha 6抗体[450-30A]
描述	PE小鼠单克隆抗体[450-30A] to Integrin alpha 6
宿主	Mouse
偶联物	PE. Ex: 488nm, Em: 575nm
经测试应用	适用于: Flow Cyt
种属反应性	与反应: Human
免疫原	Full length native protein (Human): Alpha 6 beta 4 integrin purified from A431 cells
阳性对照	human peripheral blood monocytes.
常规说明	<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&amp;As</p>

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C.
存储溶液	pH: 7.40 Preservative: 0.09% Sodium azide Constituents: PBS, 1% BSA
纯度	Protein G purified
克隆	单克隆
克隆编号	450-30A
骨髓瘤	Sp2/0
同种型	IgG1

## 应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab30497于以下的经测试应用

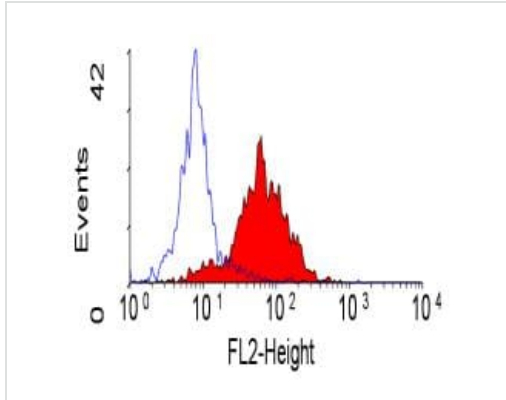
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt		Use 10µl for 10 <sup>6</sup> cells. <b>ab91357</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

## 靶标

功能	Integrin alpha-6/beta-1 is a receptor for laminin on platelets. Integrin alpha-6/beta-4 is a receptor for laminin in epithelial cells and it plays a critical structural role in the hemidesmosome (By similarity). ITGA6:ITGB4 binds to NRG1 (via EGF domain) and this binding is essential for NRG1-ERBB signaling (PubMed:20682778). ITGA6:ITGB4 binds to IGF1 and this binding is essential for IGF1 signaling (PubMed:22351760).
组织特异性	Integrin alpha-6/beta-4 is predominantly expressed by epithelia. Isoforms containing segment X1 are ubiquitously expressed. Isoforms containing segment X1X2 are expressed in heart, kidney, placenta, colon, duodenum, myoblasts and myotubes, and in a limited number of cell lines; they are always coexpressed with the ubiquitous isoform containing segment X1. In some tissues (e.g. Salivary gland), isoforms containing cytoplasmic segment A and isoforms containing segment B are detected while in others, only isoforms containing one cytoplasmic segment are found (segment A in epidermis and segment B in kidney).
疾病相关	Epidermolysis bullosa letalis, with pyloric atresia
序列相似性	Belongs to the integrin alpha chain family. Contains 7 FG-GAP repeats.
翻译后修饰	Isoforms containing segment A, but not segment B, are the major targets for PMA-induced phosphorylation. Phosphorylation occurs on 'Ser-1103' of isoform alpha-6X1X2A. Phosphorylation is not required for the induction of integrin alpha-6A/beta-1 high affinity but may reduce the affinity for ligand. In invasive prostate cancer ITGA6 undergoes PLAU-mediated cleavage at residues Arg-634-635-Arg in a time-dependent manner enhancing cell invasion and migration in vitro. Palmitoylation by DHHC3 enhances stability and cell surface expression.
细胞定位	Cell membrane. Cell membrane.

## 图片



Flow cytometric analysis of peripheral blood monocytes with 10 $\mu$ l for 10<sup>6</sup> cells of anti human Integrin alpha 6 Phycoerythrin conjugated (ab30497).

Flow Cytometry - PE Anti-Integrin alpha 6 antibody [450-30A] (ab30497)

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

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