

Anti-GNAS antibody [7G6G5] ab216129

4 图像

概述

产品名称	Anti-GNAS抗体[7G6G5]
描述	小鼠单克隆抗体[7G6G5] to GNAS
宿主	Mouse
经测试应用	适用于: WB, ICC/IF, Flow Cyt
种属反应性	与反应: Human
免疫原	Recombinant fragment corresponding to Human G protein alpha aa 42-188. Expressed in E. Coli. Database link: P63092
阳性对照	WB: Human G protein alpha (aa: 42-188) recombinant protein; Human G protein alpha (aa: 42-188)-hlgGfc transfected HEK293 cell lysate. ICC/IF: HeLa cells. FACS: MCF7 cells.
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&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. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.05% Sodium azide Constituent: 99% PBS
纯度	Protein G purified
纯化说明	Purified from tissue culture supernatant.
克隆	单克隆
克隆编号	7G6G5
同种型	IgG1

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab216129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		1/500 - 1/2000. Predicted molecular weight: 45 kDa.
ICC/IF		1/200 - 1/1000.
Flow Cyt		1/200 - 1/400.

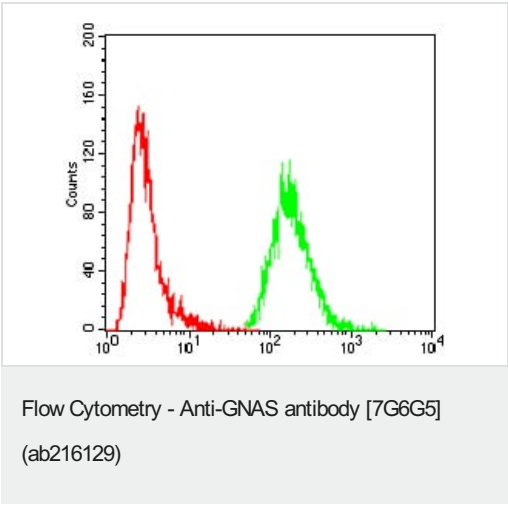
靶标

相关性

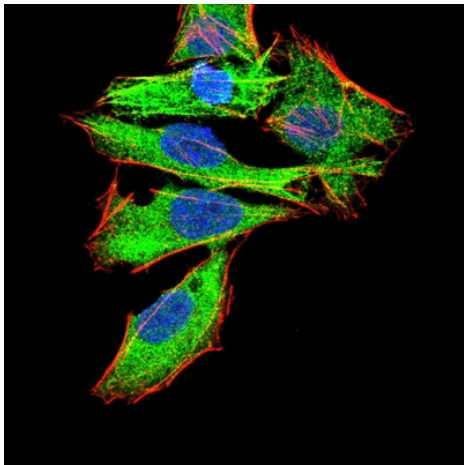
Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. The G_s protein is involved in hormonal regulation of adenylate cyclase: it activates the cyclase in response to beta-adrenergic stimuli. Alternative splicing of downstream exons of the GNAS gene is observed, which results in different forms of the stimulatory G protein alpha subunit, a key element of the classical signal transduction pathway linking receptor-ligand interactions with the activation of adenylyl cyclase and a variety of cellular responses. Multiple transcript variants have been found for this gene, but the full-length nature and/or biological validity of some variants have not been determined. Mutations in this gene result in pseudohypoparathyroidism type 1a, pseudohypoparathyroidism type 1b, Albright hereditary osteodystrophy, pseudopseudohypoparathyroidism, McCune-Albright syndrome, progressive osseous heteroplasia, polyostotic fibrous dysplasia of bone, and some pituitary tumors.

细胞定位 Cell Membrane

图片

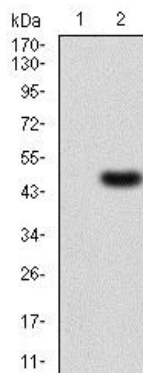


Flow cytometric analysis of MCF7 cells labeling G protein alpha with ab216129 at 1/200 dilution (green). Negative control (red).



Immunocytochemistry/ Immunofluorescence - Anti-GNAS antibody [7G6G5] (ab216129)

Immunofluorescent analysis of HeLa cells labeling G protein alpha with ab216129 at 1/200 dilution. Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



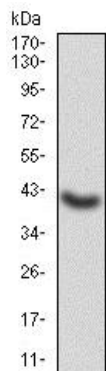
Western blot - Anti-GNAS antibody [7G6G5] (ab216129)

All lanes : Anti-GNAS antibody [7G6G5] (ab216129) at 1/500 dilution

Lane 1 : non-transfected HEK293 cell lysate

Lane 2 : Human G protein alpha (aa: 42-188)-hlgGfC transfected HEK293 cell lysate

Predicted band size: 45 kDa



Western blot - Anti-GNAS antibody [7G6G5] (ab216129)

Anti-GNAS antibody [7G6G5] (ab216129) at 1/500 dilution + Human G protein alpha (aa: 42-188) recombinant protein

Predicted band size: 45 kDa

Expected MW is 42.8 kDa

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