

Anti-PI 3 Kinase p85 alpha + Gamma antibody ab74136

★★★★★ [2 Abreviews](#) [12 References](#) [4 图像](#)

概述

产品名称	Anti-PI 3 Kinase p85 alpha + Gamma抗体
描述	兔多克隆抗体to PI 3 Kinase p85 alpha + Gamma
宿主	Rabbit
特异性	PI3 kinase p85 alpha and gamma.
经测试应用	适用于: WB, IHC-P, ICC/IF
种属反应性	与反应: Human, African green monkey
免疫原	Synthetic non-phosphopeptide derived from human PI 3 Kinase p85 alpha around the phosphorylation site of tyrosine 468 (R-L-Y ^P -E-E).
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 -20°C. Stable for 12 months at -20°C.
存储溶液	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride, PBS</p>
纯度	Without Mg ²⁺ and Ca ²⁺
克隆	Immunogen affinity purified
同种型	多克隆
	IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab74136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)	1/500 - 1/1000. Predicted molecular weight: 84 kDa.
IHC-P		1/50 - 1/100.
ICC/IF	★★★★★ (1)	1/500.

靶标

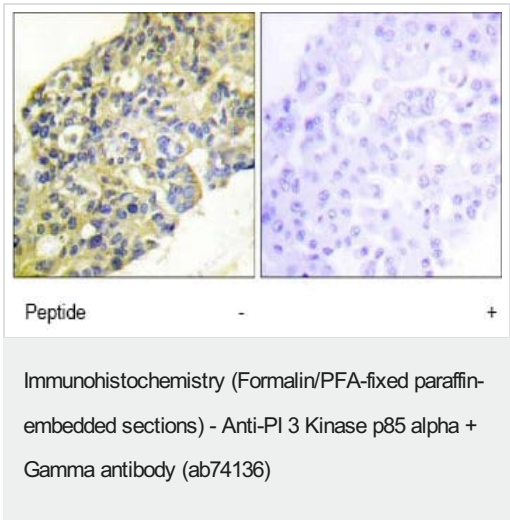
相关性

The enzyme phosphatidylinositol 3 kinase (PI3 kinase) is a lipid kinase that generates phosphatidylinositol 3, 4, 5-triphosphate in response to receptor activation in many signal transduction pathways. Class IA PI3Ks exist as a heterodimer of a catalytic 110 kDa (p110) and a regulatory p85 subunit (e.g. p85 alpha). p85 alpha is an adaptor molecule that regulates the activity of the catalytic p110 subunit by binding to phosphorylated receptor tyrosine kinases (RTKs) through its SH2 domain and mediating the interaction between p110 and the plasma membrane. p85 alpha is necessary for insulin-stimulated increase in glucose uptake and glycogen synthesis in insulin-sensitive tissues.

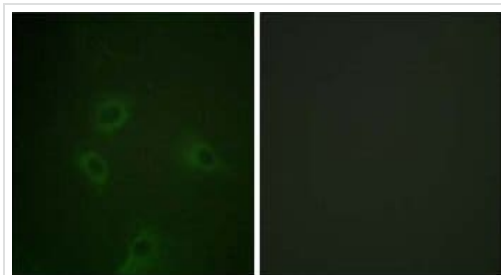
细胞定位

Cytoplasmic

图片



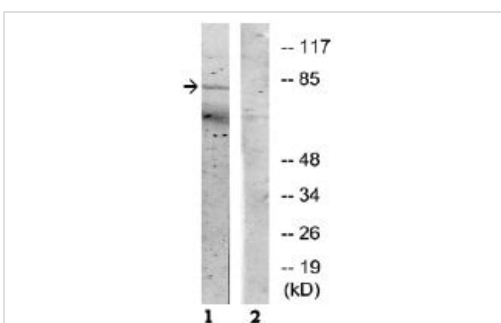
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ab74136, at 1/50 dilution, in the presence (right panel) or absence (left panel) of immunising peptide.



Peptide - +

Immunocytochemistry/ Immunofluorescence - Anti-PI 3 Kinase p85 alpha + Gamma antibody (ab74136)

Immunofluorescence analysis of HeLa cells using ab74136, at 1/500 dilution, in the presence (right panel) or absence (left panel) of immunising peptide.



Western blot - Anti-PI 3 Kinase p85 alpha + Gamma antibody (ab74136)

All lanes : Anti-PI 3 Kinase p85 alpha + Gamma antibody (ab74136) at 1/500 dilution

Lane 1 : Extracts from COS7 cells, treated with H₂O₂ (100μM, 30mins)

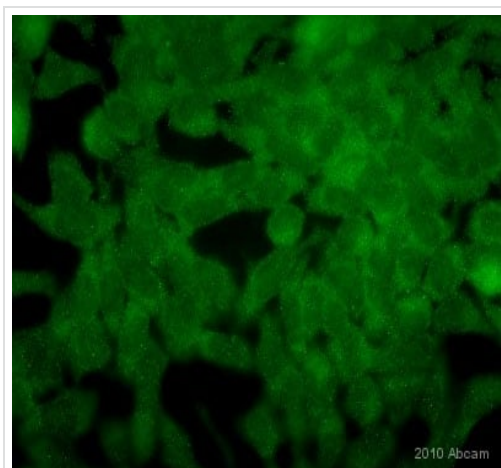
Lane 2 : Extracts from COS7 cells, treated with H₂O₂ (100μM, 30mins) with immunising peptide at 5 μg

Lysates/proteins at 5 μg per lane.

Predicted band size: 84 kDa

Observed band size: 84 kDa

Additional bands at: 70 kDa. We are unsure as to the identity of these extra bands.



Immunocytochemistry/ Immunofluorescence - Anti-PI 3 Kinase p85 alpha + Gamma antibody (ab74136)

ab74136 at 1/200 dilution staining PI 3 Kinase p85 alpha + Gamma in mouse embryonic stem cells by Immunocytochemistry/ Immunofluorescence. Cells were fixed in paraformaldehyde, permeabilized in 1:1 methanol, acetone and blocked in 1% serum for 30 minutes at 25°C. The primary antibody was used at 1/100 dilution in Goat block dilution buffer and incubated with sample at 25°C for 1 hours. An Alexa Fluor® 488 conjugated Goat polyclonal to rabbit IgG (H+L) was used as secondary at 1/500 dilution.

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