


Anti-PI 3 Kinase p85 alpha antibody [M253] ab86714

★★★★★ **10 Abreviews** **173 References** 画像数 4

製品の概要

製品名	Anti-PI 3 Kinase p85 alpha antibody [M253]
製品の詳細	Mouse monoclonal [M253] to PI 3 Kinase p85 alpha
由来種	Mouse
アプリケーション	適用あり: WB, IHC-P, ICC/IF
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat, Chicken 
免疫原	Recombinant fragment corresponding to Human PI 3 Kinase p85 alpha (C terminal).
ポジティブ・コントロール	A431 or Jurkat whole cell lysate (ab7899). This antibody gave a positive result in IHC in the following FFPE tissue: Human skeletal muscle.
特記事項	<p>Phosphoinositide 3-kinase (PI3K) phosphorylates phosphatidylinositol (PI), PI-4-phosphate and PI-4,5-bisphosphate to catalyze the production of PI-3,4,5-triphosphate. Growth factors and hormones activate PI 3 Kinase to coordinate various cellular events, such as cell growth, cell cycle entry, cell migration and cell survival.</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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 50% Glycerol, 49% PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名	M253
アイソタイプ	IgG2a

アプリケーション

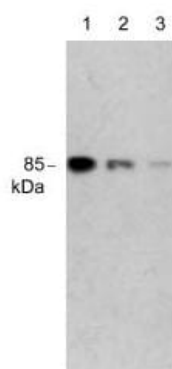
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab86714の使用に適用されます
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (3)	1/1000. Detects a band of approximately 85 kDa (predicted molecular weight: 85 kDa).
IHC-P	★★★★★ (1)	Use a concentration of 5 µg/ml.
ICC/IF	★★★★★ (4)	Use at an assay dependent concentration.

ターゲット情報

機能	Binds to activated (phosphorylated) protein-Tyr kinases, through its SH2 domain, and acts as an adapter, mediating the association of the p110 catalytic unit to the plasma membrane. Necessary for the insulin-stimulated increase in glucose uptake and glycogen synthesis in insulin-sensitive tissues.
組織特異性	Isoform 2 is expressed in skeletal muscle and brain, and at lower levels in kidney and cardiac muscle. Isoform 2 and isoform 4 are present in skeletal muscle (at protein level).
配列類似性	Belongs to the PI3K p85 subunit family. Contains 1 Rho-GAP domain. Contains 2 SH2 domains. Contains 1 SH3 domain.
ドメイン	The SH3 domain mediates the binding to CBLB, and to HIV-1 Nef.
翻訳後修飾	Polyubiquitinated in T-cells by CBLB; which does not promote proteasomal degradation but impairs association with CD28 and CD3Z upon T-cell activation. Phosphorylated. Dephosphorylated by PTPRJ.

画像



Western blot - Anti-PI 3 Kinase p85 alpha antibody [M253] (ab86714)

Lane 1 : Anti-PI 3 Kinase p85 alpha antibody [M253] (ab86714) at 1/1000 dilution

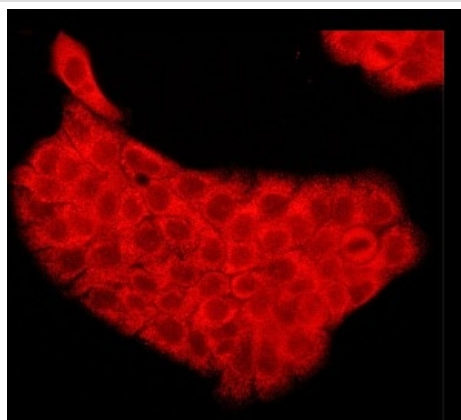
Lane 2 : Anti-PI 3 Kinase p85 alpha antibody [M253] (ab86714) at 1/2000 dilution

Lane 3 : Anti-PI 3 Kinase p85 alpha antibody [M253] (ab86714) at 1/4000 dilution

All lanes : A431 cell lysate

Predicted band size: 85 kDa

Observed band size: 85 kDa



Immunocytochemistry/ Immunofluorescence - Anti-PI 3 Kinase p85 alpha antibody [M253] (ab86714)

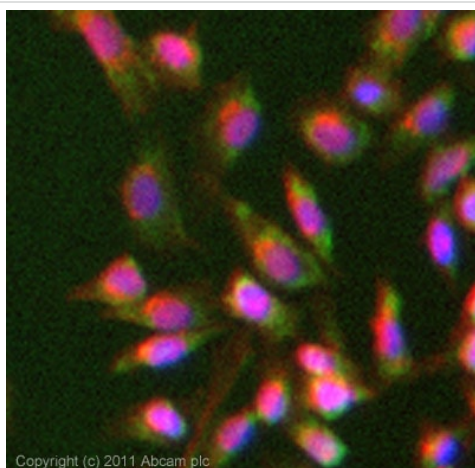
Immunocytochemical labeling of PI 3 Kinase p85 in aldehyde-fixed and NP-40-permeabilized A431 cells. The cells were labeled with ab86714, then the antibody was detected using appropriate secondary antibody conjugated to DyLight® 594.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PI 3 Kinase p85 alpha antibody [M253] (ab86714)

IHC image of PI 3 Kinase p85 staining in Human skeletal muscle formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer ([ab64236](#)) (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab86714, 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.



Immunocytochemistry/ Immunofluorescence - Anti-PI 3 Kinase p85 alpha antibody [M253] (ab86714)

ICC/IF image of ab86714 stained SKNSH cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum ([ab7481](#)) / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab86714, 5µg/ml) overnight at +4°C. The secondary antibody (green) was [ab96879](#), DyLight® 488 goat anti-mouse IgG (H+L) ([ab96871](#)) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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