

Anti-Phospholipase C gamma 1/PLC-gamma-1 (phospho Y783) antibody [EP1898Y] ab76031

リコンビナント RabMAb

2 References [画像数 5](#)

製品の概要

製品名	Anti-Phospholipase C gamma 1/PLC-gamma-1 (phospho Y783) antibody [EP1898Y]
製品の詳細	Rabbit monoclonal [EP1898Y] to Phospholipase C gamma 1/PLC-gamma-1 (phospho Y783)
由来種	Rabbit
アプリケーション	適用あり: WB, ICC/IF, Dot blot 適用なし: Flow Cyt, IHC-P or IP
種交差性	交差種: Mouse, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Jurkat cell lysates treated with pervanadate. ICC/IF: Jurkat cells treated with pervanadate.
特記事項	<p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant

精製度	Protein A purified
ポリモノ	モノクローナル
クローン名	EP1898Y
アイソタイプ	IgG

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ab76031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		1/100000 - 1/200000. Detects a band of approximately 149 kDa (predicted molecular weight: 149 kDa).
ICC/IF		1/100.
Dot blot		1/1000.

追加情報 Is unsuitable for Flow Cyt, IHC-P or IP.

ターゲット情報

機能 Plays a role in actin reorganization and cell migration. The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes. Major substrate for heparin-binding growth factor 1 (acidic fibroblast growth factor)-activated tyrosine kinase.

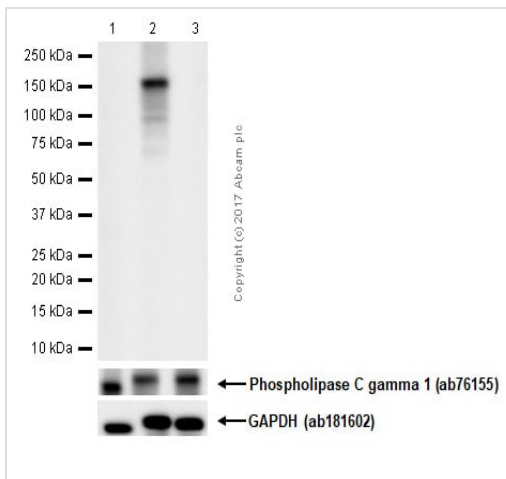
配列類似性 Contains 1 C2 domain.
 Contains 1 EF-hand domain.
 Contains 2 PH domains.
 Contains 1 PI-PLC X-box domain.
 Contains 1 PI-PLC Y-box domain.
 Contains 2 SH2 domains.
 Contains 1 SH3 domain.

ドメイン The SH3 domain mediates interaction with CLNK (By similarity). The SH3 domain also mediates interaction with RALGPS1.

翻訳後修飾 The receptor-mediated activation of PLC-gamma-1 and PLC-gamma-2 involves their phosphorylation by tyrosine kinases in response to ligation of a variety of growth factor receptors and immune system receptors. May be dephosphorylated by PTPRJ.
 Ubiquitinated by CBLB in activated T-cells.

細胞内局在 Cell projection > lamellipodium. Cell projection > ruffle. Rapidly redistributed to ruffles and lamellipodia structures in response to epidermal growth factor (EGF) treatment.

画像



Western blot - Anti-Phospholipase C gamma 1/PLC-gamma-1 (phospho Y783) antibody [EP1898Y] (ab76031)

All lanes : Anti-Phospholipase C gamma 1/PLC-gamma-1 (phospho Y783) antibody [EP1898Y] (ab76031) at 1/1000 dilution

Lane 1 : Jurkat (human T cell leukemia T lymphocyte) whole cell lysate

Lane 2 : Jurkat treated with 50mM pervanadate for 5 minutes whole cell lysate

Lane 3 : Jurkat treated with 50mM pervanadate for 5 min whole cell lysate. Then the membrane was incubated with alkaline phosphatase

Lysates/proteins at 10 µg per lane.

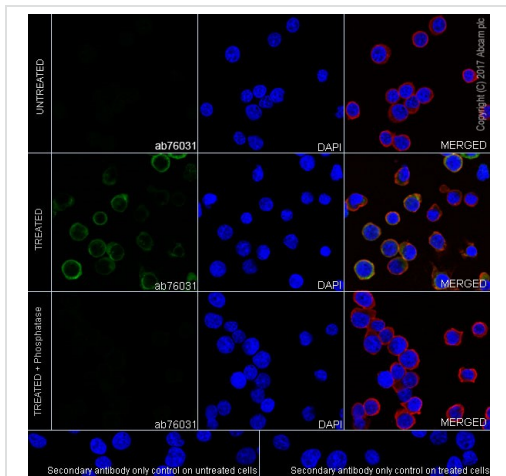
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 149 kDa

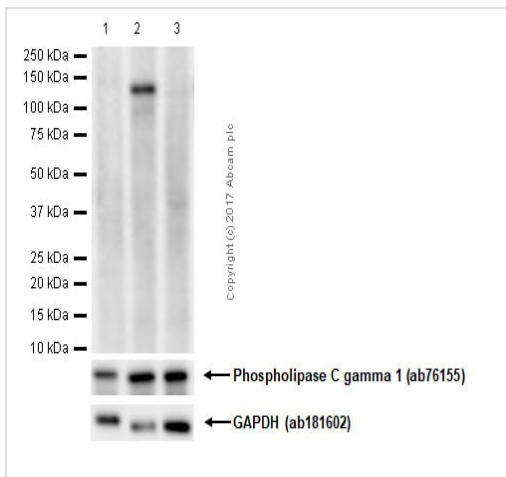
Observed band size: 149 kDa

Blocking and dilution buffer: 5% NFDm/TBST.



Immunocytochemistry/ Immunofluorescence - Anti-Phospholipase C gamma 1/PLC-gamma-1 (phospho Y783) antibody [EP1898Y] (ab76031)

Immunocytochemistry/Immunofluorescence analysis of Jurkat +/- pervanadate (1mM, 30min) and Jurkat + pervanadate (1mM, 30min) + LP labelling Phospholipase C gamma 1/PLC-gamma-1 (phospho Y783) with ab76031 at a dilution of 1/100. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% tritonX-100. **ab150077** (goat anti-rabbit IgG Alexa Fluor[®] 488) (1/1000) was used as the secondary antibody. The cells were co-stained with **ab195889** (Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor[®] 594)) at a 1/200 dilution. Nuclei counterstained with DAPI (blue). Control: PBS instead of the primary antibody.



Western blot - Anti-Phospholipase C gamma 1/PLC-gamma-1 (phospho Y783) antibody [EP1898Y] (ab76031)

All lanes : Anti-Phospholipase C gamma 1/PLC-gamma-1 (phospho Y783) antibody [EP1898Y] (ab76031) at 1/1000 dilution

Lane 1 : NIH/3T3 (mouse embryonic fibroblast), whole cell lysate

Lane 2 : NIH/3T3 treated with 50ng/ml PDGF-BB for 30 minutes whole cell lysate

Lane 3 : NIH/3T3 treated with 50ng/ml PDGF-BB for 30 minutes whole cell lysate. Then the membrane was incubated with alkaline phosphatase.

Lysates/proteins at 10 µg per lane.

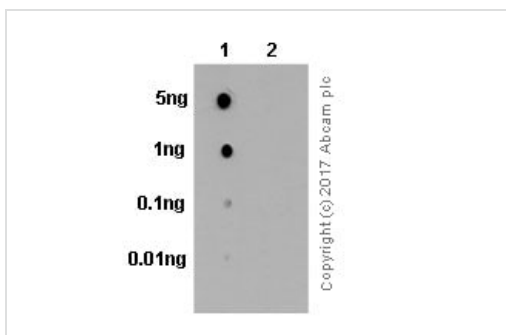
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 149 kDa

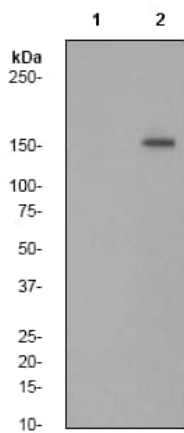
Observed band size: 149 kDa

Blocking and dilution buffer: 5% NFDM/TBST.



Dot Blot - Anti-Phospholipase C gamma 1/PLC-gamma-1 (phospho Y783) antibody [EP1898Y] (ab76031)

Dot blot analysis of Phospholipase C gamma 1/PLC-gamma-1 (phospho Y783) phospho peptide (Lane 1) and Phospholipase C gamma 1/PLC-gamma-1 non-phospho peptide (Lane 2) labelling Phospholipase C gamma 1/PLC-gamma-1 (phospho Y783) with ab76031 at a dilution of 1/1000. A Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated ([ab97051](#)) was used as the secondary antibody at a dilution of 1/20,000. Blocking buffer: 5% NFDM/TBST. Dilution buffer: 5% NFDM /TBST.



Western blot - Anti-Phospholipase C gamma 1/PLC-gamma-1 (phospho Y783) antibody [EP1898Y] (ab76031)

All lanes : Anti-Phospholipase C gamma 1/PLC-gamma-1 (phospho Y783) antibody [EP1898Y] (ab76031) at 1/200000 dilution

Lane 1 : Jurkat cell lysates, untreated

Lane 2 : Jurkat cell lysates, treated with pervanadate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 149 kDa

Observed band size: 149 kDa

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