# abcam

## Product datasheet

## Anti-PLCG 2 (phospho Y1217) antibody [EP1404Y] ab52610

RabMAb

1 Abreviews 画像数 3

#### 製品の概要

製品名 Anti-PLCG 2 (phospho Y1217) antibody [EP1404Y]

製品の詳細 Rabbit monoclonal [EP1404Y] to PLCG 2 (phospho Y1217)

由来種 Rabbit

特異性 ab52610 only detects PLCG2 phosphorylated on Tyrosine 1217.

アプリケーション 適用あり: WB, Dot blot

適用なし: Flow Cyt,ICC/IF or IHC-P

種交差性 交差種: 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: Ramos and Raji cell lysates treated with pervanadate.

特記事項 Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit

monoclonal antibodies. For details on our patents, please refer to **RabMAb patents**.

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.

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

Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with

these species. Please contact us for more information.

#### 製品の特性

製品の状態 Liqui

保存方法 Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C.

Stable for 12 months at -20°C.

**バッファー** pH: 7.20

Preservative: 0.01% Sodium azide

Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture

1

supernatant

精製度 Protein A purified

**ポリ/モノ** モノクローナル

**クローン名** EP1404Y

アイソタイプ lgG

#### アプリケーション

**The Abpromise guarantee** <u>Abpromise保証は、</u>次のテスト済みアプリケーションにおけるab52610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		1/50000. Detects a band of approximately 150 kDa (predicted molecular weight: 150 kDa).
Dot blot		1/1000.

追加情報 Is unsuitable for Flow Cyt,ICC/IF or IHC-P.

#### ターゲット情報

機能 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. It is a crucial enzyme in transmembrane signaling.

配列類似性 Contains 1 C2 domain.

Contains 1 PH domain.

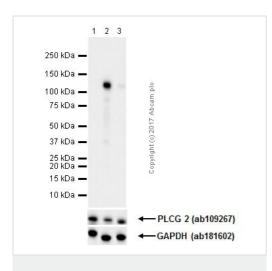
Contains 1 PI-PLC X-box domain. Contains 1 PI-PLC Y-box domain.

Contains 2 SH2 domains. Contains 1 SH3 domain.

翻訳後修飾 Phosphorylated on tyrosine residues; upon ligand-induced activation of a variety of growth factor

receptors and immune system receptors. Increases phospholipase activity.

## 画像



Western blot - Anti-PLCG 2 (phospho Y1217) antibody [EP1404Y] (ab52610)

**All lanes :** Anti-PLCG 2 (phospho Y1217) antibody [EP1404Y] (ab52610) at 1/1000 dilution

Lane 1 : Ramos (human Burkitt's lymphoma B lymphocyte) whole cell lysate

Lane 2: Ramos treated with 1mM pervanadate for 30 min whole cell lysate

**Lane 3:** Ramos treated with 1mM pervanadate for 30 min whole cell lysate. Then the membrane was incubated with alkaline phosphatase.

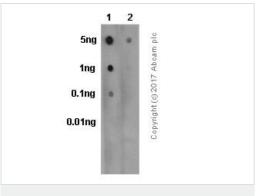
Lysates/proteins at 10 µg per lane.

#### Secondary

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

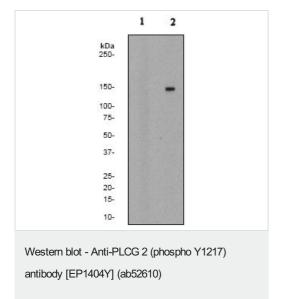
**Predicted band size:** 150 kDa **Observed band size:** 150 kDa

Blocking and dilution buffer: 5% NFDM/TBST.



Dot Blot - Anti-PLCG 2 (phospho Y1217) antibody [EP1404Y] (ab52610)

Dot blot analysis of PLCG 2 (phospho Y1217) phospho peptide (Lane 1) and PLCG 2 phospho peptide (Lane 2) labelling PLCG 2 (phospho Y1217) with ab52610 at a dilution of 1/1000. A Goat Anti-Rabbit lgG, (H+L), Peroxidase conjugated (ab97051) was used as the secondary antibody at a dilution of 1/20,000 dilution. Blocking buffer: 5% NFDM/TBST. Dilution buffer: 5% NFDM/TBST.



**All lanes :** Anti-PLCG 2 (phospho Y1217) antibody [EP1404Y] (ab52610) at 1/50000 dilution

Lane 1: Raji cell lysate (untreated)

Lane 2: Raji cell lysate treated with pervanadate

Lysates/proteins at 10 µg per lane.

#### **Secondary**

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

Predicted band size: 150 kDa

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

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