

### Anti-PKC theta/PRKCQ antibody [EPR1488Y] ab52494

リコンビナント RabMAb

画像数 4

#### 製品の概要

製品名	Anti-PKC theta/PRKCQ antibody [EPR1488Y]
製品の詳細	Rabbit monoclonal [EPR1488Y] to PKC theta/PRKCQ
由来種	Rabbit
特異性	This antibody was tested with PKC alpha, beta, gamma, delta, zeta, eta, iota recombinant proteins and was found to react with alpha, beta, gamma, delta, eta proteins.
アプリケーション	<b>適用あり:</b> WB <b>適用なし:</b> ICC/IF or IHC-P
種交差性	<b>交差種:</b> Mouse, Rat, Human
免疫原	Synthetic peptide within Human PKC theta/PRKCQ. The exact sequence is proprietary.
ポジティブ・コントロール	WB: Rat brain lysate, Rat spleen lysate, Mouse C2C12 cell lysate; Jurkat cell lysate.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

#### 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. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名                      EPR1488Y  
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ab52494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		1/500. Detects a band of approximately 85 kDa (predicted molecular weight: 85 kDa).

**追加情報**                                      Is unsuitable for ICC/IF or IHC-P.

#### ターゲット情報

**機能**    This is a calcium-independent, phospholipid-dependent, serine- and threonine-specific enzyme. Essential for T-cell receptor (TCR)-mediated T-cell activation, but is dispensable during TCR-dependent thymocyte development. Links the TCR signaling complex to the activation of NF-kappa-B in mature T lymphocytes. Required for interleukin-2 (IL2) production. PKC is activated by diacylglycerol which in turn phosphorylates a range of cellular proteins. PKC also serves as the receptor for phorbol esters, a class of tumor promoters.

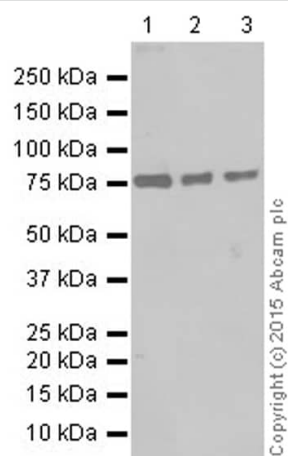
**組織特異性**                                      Skeletal muscle, megakaryoblastic cells and platelets.

**配列類似性**                                      Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. PKC subfamily. Contains 1 AGC-kinase C-terminal domain. Contains 1 C2 domain. Contains 2 phorbol-ester/DAG-type zinc fingers. Contains 1 protein kinase domain.

**ドメイン**    The C1 domain, containing the phorbol ester/DAG-type region 1 (C1A) and 2 (C1B), is the diacylglycerol sensor and the C2 domain is a non-calcium binding domain.

**翻訳後修飾**                                      Autophosphorylation at Thr-219 is required for targeting to the TCR and cellular function of PKC upon antigen receptor ligation.

#### 画像



Western blot - Anti-PKC theta/PRKCQ antibody [EPR1488Y] (ab52494)

**All lanes :** Anti-PKC theta/PRKCQ antibody [EPR1488Y] (ab52494) at 1/1000 dilution (purified)

**Lane 1 :** Rat brain tissue lysate

**Lane 2 :** Rat spleen tissue lysate

**Lane 3 :** C2C12 whole cell lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

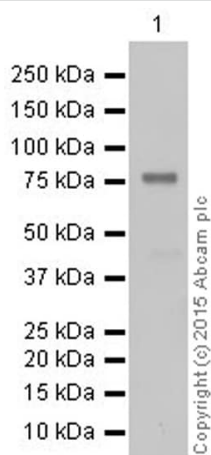
**All lanes :** Anti-rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/20000 dilution

**Predicted band size:** 85 kDa

**Observed band size:** 78 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Western blot - Anti-PKC theta/PRKCQ antibody [EPR1488Y] (ab52494)

Anti-PKC theta/PRKCQ antibody [EPR1488Y] (ab52494) at 1/1000 dilution (purified) + Jurkat whole cell lysate at 10 µg

#### Secondary

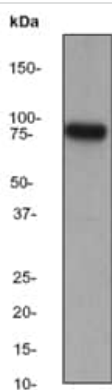
Anti-rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/20000 dilution

**Predicted band size:** 85 kDa

**Observed band size:** 78 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Western blot - Anti-PKC theta/PRKCQ antibody [EPR1488Y] (ab52494)

Anti-PKC theta/PRKCQ antibody [EPR1488Y] (ab52494) at 1/500 dilution (unpurified) + Jurkat cell lysate at 10 µg

### Secondary

HRP labeled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 85 kDa

**Observed band size:** 85 kDa

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-PKC theta/PRKCQ antibody [EPR1488Y] (ab52494)

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

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