

## Product datasheet

# Anti-PKC epsilon antibody [1B4] ab114034

1 References 画像数 9

### 製品の概要

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製品名	Anti-PKC epsilon antibody [1B4]
製品の詳細	Mouse monoclonal [1B4] to PKC epsilon
アプリケーション	<b>適用あり:</b> WB, IHC-P, Flow Cyt, ICC/IF
種交差性	<b>交差種:</b> Dog, Human, Monkey
免疫原	Recombinant full length Human PKC epsilon produced in HEK293T cells (NP_005391).
ポジティブ・コントロール	Human kidney, prostate, prostate carcinoma and lymphoma tissues; HEK293T cell lysate transfected with pCMV6-ENTRY PKC epsilon cDNA; HepG2, HeLa, COS7, MDCK, HT29 and A549 cell extracts; Transfected COS7 cells transiently transfected by pCMV6-ENTRY PKC epsilon; HeLa and Jurkat cells.
特記事項	Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt.

### 製品の特性

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製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 48% PBS, 50% Glycerol, 1% BSA
精製度	Protein A purified
特記事項(精製)	ab114034 is purified from Mouse ascites fluid by affinity chromatography.
ポリ/モノ	モノクローナル
クローン名	1B4
アイソタイプ	IgG2b

### アプリケーション

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Our [Abpromise guarantee](#) covers the use of **ab114034** in the following tested applications.

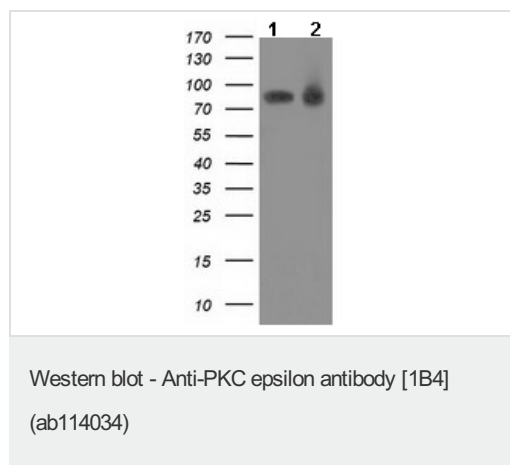
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		1/500 - 1/2000. Predicted molecular weight: 84 kDa.
IHC-P		1/150.
Flow Cyt		1/100. <a href="#">ab170192</a> -Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.
ICC/IF		1/100.

## ターゲット情報

<b>機能</b>	This is calcium-independent, phospholipid-dependent, serine- and threonine-specific enzyme. 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.
<b>配列類似性</b>	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.
<b>ドメイン</b>	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.
<b>翻訳後修飾</b>	Phosphorylation on Thr-566 by PDPK1 triggers autophosphorylation on Ser-729.

## 画像



**All lanes** : Anti-PKC epsilon antibody [1B4] (ab114034) at 1/500 dilution

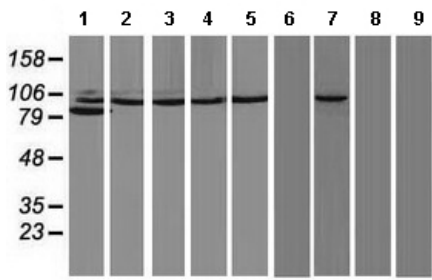
**Lane 1** : HEK293T cell lysate transfected with pCMV6-ENTRY control cDNA

**Lane 2** : HEK293T cell lysate transfected with pCMV6-ENTRY PKC epsilon cDNA

Lysates/proteins at 5 µg per lane.

**Predicted band size** : 84 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC217702)



Western blot - Anti-PKC epsilon antibody [1B4]  
(ab114034)

**All lanes** : Anti-PKC epsilon antibody [1B4]  
(ab114034) at 1/500 dilution

**Lane 1** : HepG2 cell extract

**Lane 2** : HeLa cell extract

**Lane 3** : HT29 cell extract

**Lane 4** : A549 cell extract

**Lane 5** : COS7 cell extract

**Lane 6** : Jurkat cell extracts

**Lane 7** : MDCK cell extract

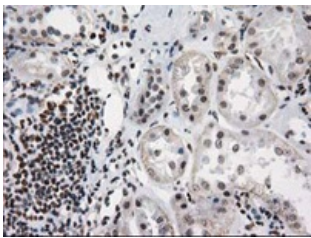
**Lane 8** : PC12 cell extract

**Lane 9** : MCF7 cell extract

Lysates/proteins at 35 µg per lane.

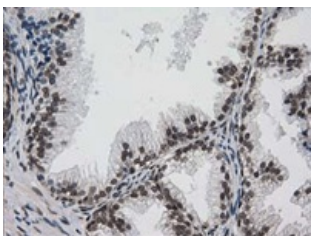
**Predicted band size** : 84 kDa

HEK293T cell lysates were generated from  
transient transfection of the cDNA clone  
(RC217702)



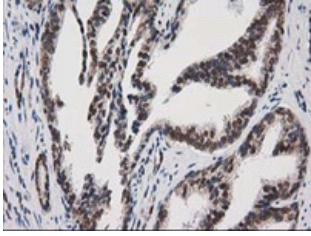
Immunohistochemistry (Formalin/PFA-fixed paraffin-  
embedded sections) - Anti-PKC epsilon antibody  
[1B4] (ab114034)

ab114034 at 1/150 dilution staining PKC  
epsilon in Paraffin-embedded Human Kidney  
tissue by Immunohistochemistry.



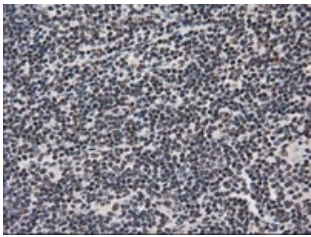
Immunohistochemistry (Formalin/PFA-fixed paraffin-  
embedded sections) - Anti-PKC epsilon antibody  
[1B4] (ab114034)

ab114034 at 1/150 dilution staining PKC  
epsilon in Paraffin-embedded Human  
Prostate tissue by Immunohistochemistry.



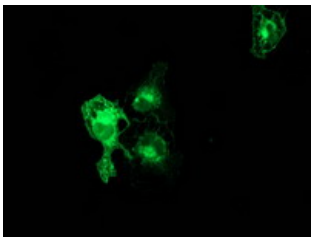
ab114034 at 1/150 dilution staining PKC epsilon in Paraffin-embedded Human Prostate carcinoma tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PKC epsilon antibody [1B4] (ab114034)



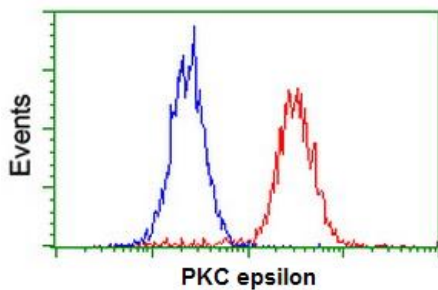
ab114034 at 1/150 dilution staining PKC epsilon in Paraffin-embedded Human Lymphoma tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PKC epsilon antibody [1B4] (ab114034)



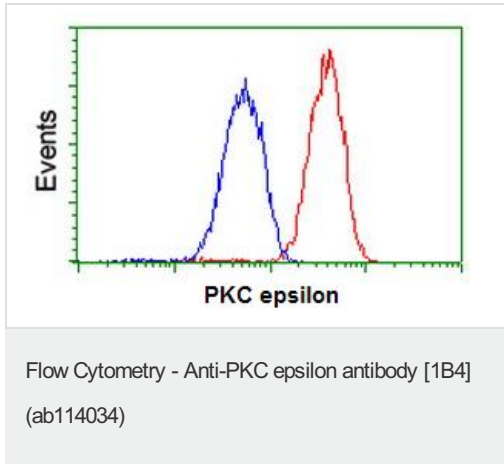
ab114034 at 1/100 dilution staining PKC epsilon in COS7 cells transiently transfected with pCMV6-ENTRY PKC epsilon by Immunofluorescence.

Immunocytochemistry/ Immunofluorescence - Anti-PKC epsilon antibody [1B4] (ab114034)



ab114034 at 1/100 dilution staining PKC epsilon in HeLa cells by Flow cytometry (Red) compared to a nonspecific negative control antibody (Blue).

Flow Cytometry - Anti-PKC epsilon antibody [1B4] (ab114034)



ab114034 at 1/100 dilution staining PKC epsilon in Jurkat cells by Flow cytometry (Red) compared to a nonspecific negative control antibody (Blue).

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