

# Anti-PKA alpha/beta/gamma (catalytic subunit) (phospho T197) antibody [EP2606Y] - BSA and Azide free ab227848

リコンビナント **RabMAb**

## 8 References [画像数 7](#)

### 製品の概要

製品名	Anti-PKA alpha/beta/gamma (catalytic subunit) (phospho T197) antibody [EP2606Y] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EP2606Y] to PKA alpha/beta/gamma (catalytic subunit) (phospho T197) - BSA and Azide free
由来種	Rabbit
特異性	Detects PKA alpha/beta/gamma (catalytic subunit) phosphorylated on threonine 197. Moreover, the antibody will cross-react with PRKX/Y (pT203).
アプリケーション	<b>適用あり:</b> WB, IHC-P, Dot blot
種交差性	<b>交差種:</b> Mouse, Rat, 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: NIH/3T3, C6, HeLa cell lysate treated with calyculin A IHC: human liver carcinoma, mouse kidney, rat kidney
特記事項	<p>ab227848 is the carrier-free version of <a href="#">ab75991</a>.</p> <p>We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p>

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

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<sup>®</sup> patents](#).

## 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.20 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EP2606Y
アイソタイプ	IgG

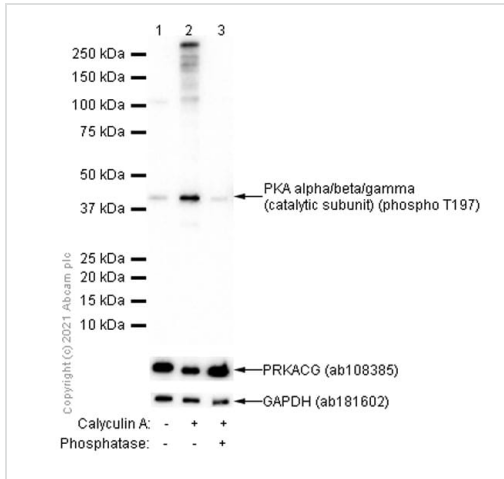
## アプリケーション

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ab227848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		Use at an assay dependent concentration. Predicted molecular weight: 40 kDa.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. Use of HRP-conjugated or polymerized HRP secondary antibodies recommended, stronger signals have been found using the polymerized HRP secondary.
Dot blot		Use at an assay dependent concentration.

## ターゲット情報

## 画像



Western blot - Anti-PKA alpha/beta/gamma (catalytic subunit) (phospho T197) antibody [EP2606Y] - BSA and Azide free (ab227848)

**All lanes :** Anti-PKA alpha/beta/gamma (catalytic subunit) (phospho T197) antibody [EP2606Y] ([ab75991](#)) at 1/1000 dilution (Purified)

**Lane 1 :** Untreated HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate

**Lane 2 :** HeLa (Human cervix adenocarcinoma epithelial cell) starved overnight, then treated with 100nM Calyculin A for 30 minutes, whole cell lysate

**Lane 3 :** HeLa (Human cervix adenocarcinoma epithelial cell) starved overnight, then treated with 100nM Calyculin A for 30 minutes whole cell lysate, then the membrane treated with Lambda Phosphatase for 1 hour

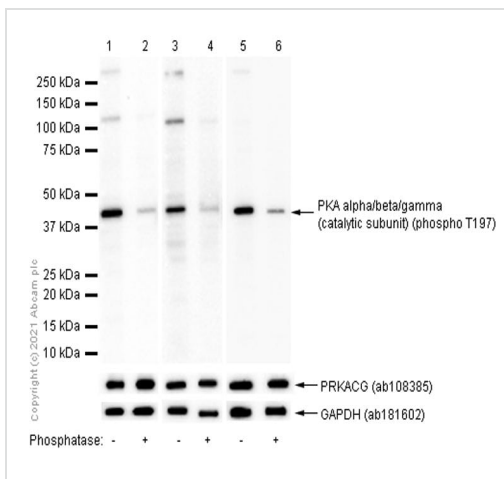
### Secondary

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

**Predicted band size:** 40 kDa

**Observed band size:** 40 kDa

This data was developed using [ab75991](#), the same antibody clone in a different buffer formulation.



Western blot - Anti-PKA alpha/beta/gamma (catalytic subunit) (phospho T197) antibody [EP2606Y] - BSA and Azide free (ab227848)

**All lanes :** Anti-PKA alpha/beta/gamma (catalytic subunit) (phospho T197) antibody [EP2606Y] ([ab75991](#)) at 1/1000 dilution (Purified)

**Lane 1 :** HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate

**Lane 2 :** HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate, then the membrane treated with Lambda Phosphatase for 1 hour

**Lane 3 :** NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate

**Lane 4 :** NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate, then the membrane treated with Lambda Phosphatase for 1 hour

**Lane 5 :** C6 (Rat glial tumor glial cell) whole cell lysate

**Lane 6 :** C6 (Rat glial tumor glial cell) whole cell lysate, then the membrane treated with Lambda Phosphatase for 1 hour

### Secondary

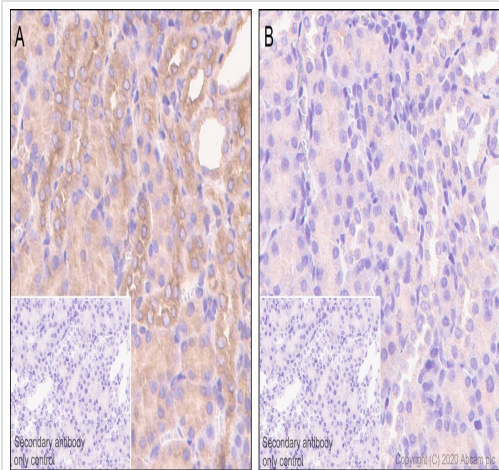
**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000

dilution

**Predicted band size:** 40 kDa

**Observed band size:** 40 kDa

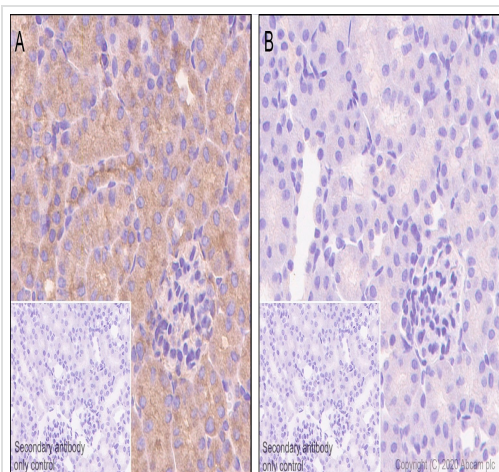
This data was developed using [ab75991](#), the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PKA alpha/beta/gamma (catalytic subunit) (phospho T197) antibody [EP2606Y] - BSA and Azide free (ab227848)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat kidney tissue sections labeling PKA alpha/beta/gamma (catalytic subunit) with Purified [ab75991](#) at 1/5000 dilution (0.05 µg/mL). Heat mediated antigen retrieval was performed using Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0) . Tissue was counterstained with Hematoxylin. Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)) secondary antibody was used at 1/0 dilution. PBS instead of the primary antibody was used as the negative control. M3

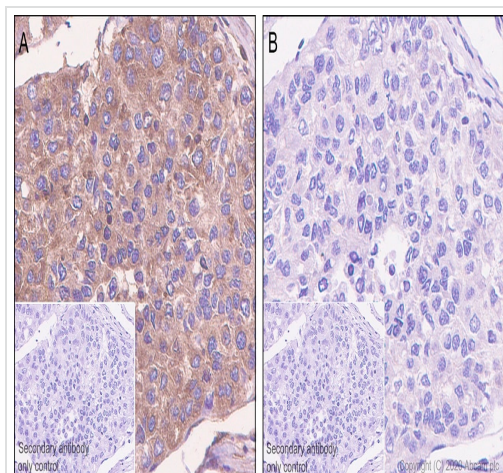
This data was developed using [ab75991](#), the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PKA alpha/beta/gamma (catalytic subunit) (phospho T197) antibody [EP2606Y] - BSA and Azide free (ab227848)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse kidney tissue sections labeling PKA alpha/beta/gamma (catalytic subunit) with Purified [ab75991](#) at 1/5000 dilution (0.05 µg/mL). Heat mediated antigen retrieval was performed using Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0) . Tissue was counterstained with Hematoxylin. Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)) secondary antibody was used at 1/0 dilution. PBS instead of the primary antibody was used as the negative control. M3

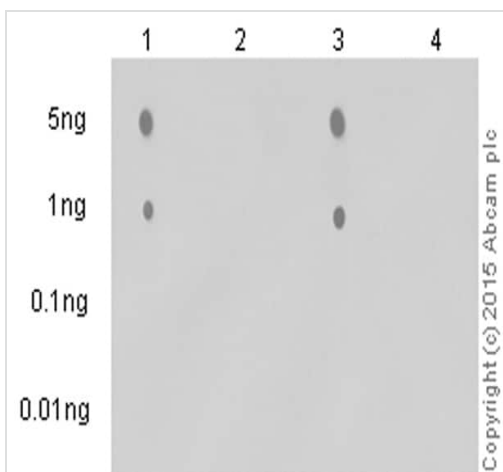
This data was developed using [ab75991](#), the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PKA alpha/beta/gamma (catalytic subunit) (phospho T197) antibody [EP2606Y] - BSA and Azide free (ab227848)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human liver carcinoma tissue sections labeling PKA alpha/beta/gamma (catalytic subunit) with Purified **ab75991** at 1/5000 dilution (0.05 µg/mL). Heat mediated antigen retrieval was performed using Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0) . Tissue was counterstained with Hematoxylin. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) secondary antibody was used at 1/0 dilution. PBS instead of the primary antibody was used as the negative control. M3

This data was developed using **ab75991**, the same antibody clone in a different buffer formulation.



Dot Blot - Anti-PKA alpha/beta/gamma (catalytic subunit) (phospho T197) antibody [EP2606Y] - BSA and Azide free (ab227848)

Dot blot analysis of various peptides labelling PKA gamma (catalytic subunit) (phospho T197) with **ab75991** at a dilution of 1/1000. **ab97051**, a peroxidase-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/100000).

Lane 1 - PKA alpha/beta/gamma (catalytic subunit) (pT197) phospho peptide.

Lane 2 - PKA alpha/beta/gamma (catalytic subunit) non-phospho peptide.

Lane 3 - PRKX/Y (pT203) phospho peptide.

Lane 4 - PRKX/Y non-phospho peptide.

Blocking and dilution buffer: 5% NFDm/TBST.

Exposure time: 3 minutes.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab75991**).

### 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-PKA alpha/beta/gamma (catalytic subunit)  
(phospho T197) antibody [EP2606Y] - BSA and  
Azide free (ab227848)

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

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