

## Product datasheet

### Anti-PKA alpha/beta/gamma (catalytic subunit) (phospho T197) antibody [EP2606Y] ab75991

リコンビナント RabMAb®

★★★★★ 1 Abreviews 9 References 画像数 5

#### 製品の概要

製品名	Anti-PKA alpha/beta/gamma (catalytic subunit) (phospho T197) antibody [EP2606Y]
製品の詳細	Rabbit monoclonal [EP2606Y] to PKA alpha/beta/gamma (catalytic subunit) (phospho T197)
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, IP, IHC-P, ICC, Dot blot <b>適用なし:</b> Flow Cyt
種交差性	<b>交差種:</b> Mouse, Rat, Human
免疫原	Synthetic peptide within Human PKA alpha/beta/gamma (catalytic subunit) aa 150-250 (phospho T197). The exact sequence is proprietary.
ポジティブ・コントロール	WB: HeLa cell lysate treated with calyculin A.
特記事項	

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#)

This product is a recombinant rabbit monoclonal antibody.

#### 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 repeated freeze / thaw cycles.
バッファー	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol, 9.85% Tris glycine, 50% Tissue culture supernatant
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	EP2606Y

## アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab75991** in the following tested applications.

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

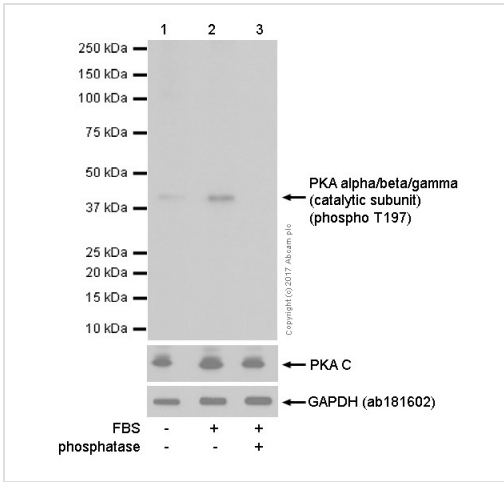
アプリケーション	Abreviews	特記事項
WB	★★★★★	1/2500 - 1/5000. Predicted molecular weight: 40 kDa.
IP		1/30.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. Use of HRP-conjugated or polymerized HRP secondary antibodies recommended, stronger signals have been found using the polymerized HRP secondary.
ICC		1/100 - 1/250.
Dot blot		Use at an assay dependent concentration.

## 追加情報

Is unsuitable for Flow Cyt.

## ターゲット情報

## 画像



Western blot - Anti-PKA alpha/beta/gamma (catalytic subunit) (phospho T197) antibody [EP2606Y] (ab75991)

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

**Lane 1 :** Jurkat (Human T cell leukemia T lymphocyte) 10% FBS all the time. Whole cell lysates

**Lane 2 :** Jurkat (Human T cell leukemia T lymphocyte) serum starve for 24h then 20% FBS 20h. Whole cell lysates

**Lane 3 :** Jurkat (Human T cell leukemia T lymphocyte) serum starve for 24h then 20% FBS 20h. Whole cell lysates. Then the membrane was incubated with phosphatase.

Lysates/proteins at 15 µg per lane.

### Secondary

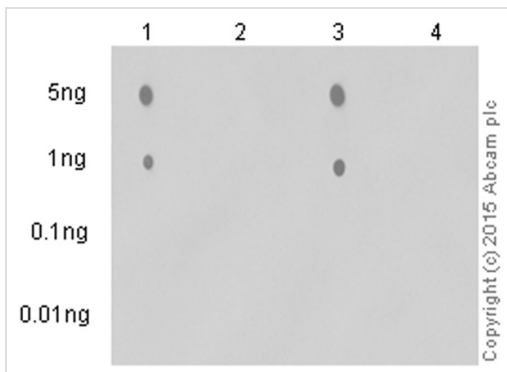
**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

**Predicted band size:** 40 kDa

**Observed band size:** 40 kDa

**Exposure time:** 1 second

Blocking and diluting buffer and concentration: 5% NFD/MTBST.



Dot Blot - Anti-PKA alpha/beta/gamma (catalytic subunit) (phospho T197) antibody [EP2606Y] (ab75991)

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.

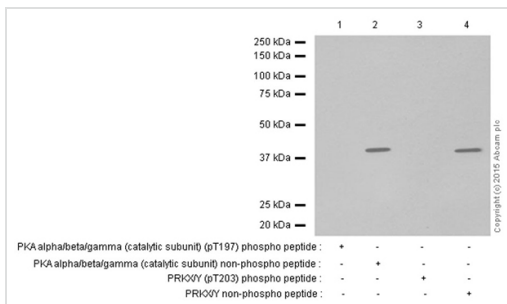
Lane 2 - PKA alpha/beta/gamma (catalytic subunit) non-phospho peptide.

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.



Western blot - Anti-PKA alpha/beta/gamma (catalytic subunit) (phospho T197) antibody [EP2606Y] (ab75991)

**All lanes :** Anti-PKA alpha/beta/gamma (catalytic subunit) (phospho T197) antibody [EP2606Y] (ab75991) at 1/5000 dilution

**Lane 1 :** HeLa whole cell lysate - treated with Calyculin A with PKA alpha/beta/gamma (catalytic subunit) (pT197) phospho peptide

**Lane 2 :** HeLa whole cell lysate - treated with Calyculin A with PKA alpha/beta/gamma (catalytic subunit) non-phospho peptide

**Lane 3 :** HeLa whole cell lysate - treated with Calyculin A with PRKXX/Y (pT203) phospho peptide

**Lane 4 :** HeLa whole cell lysate - treated with Calyculin A with PRKXX/Y non- phospho peptide

### Secondary

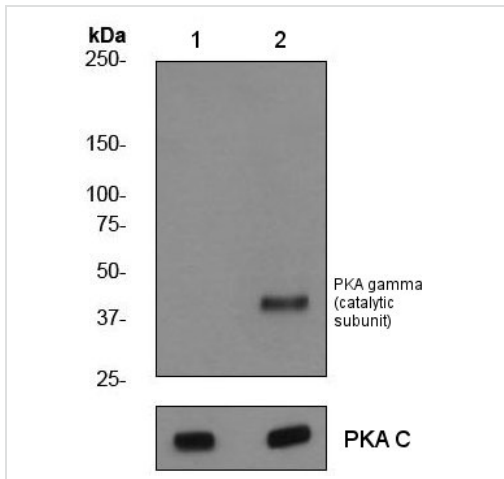
**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

**Predicted band size:** 40 kDa

**Observed band size:** 40 kDa

**Exposure time:** 3 minutes

Blocking and dilution buffer: 5% NFDm/TBST.



Western blot - Anti-PKA alpha/beta/gamma (catalytic subunit) (phospho T197) antibody [EP2606Y] (ab75991)

**All lanes :** Anti-PKA alpha/beta/gamma (catalytic subunit) (phospho T197) antibody [EP2606Y] (ab75991) at 1/5000 dilution

**Lane 1 :** HeLa cell lysates, untreated

**Lane 2 :** HeLa cell lysates treated with calyculin A

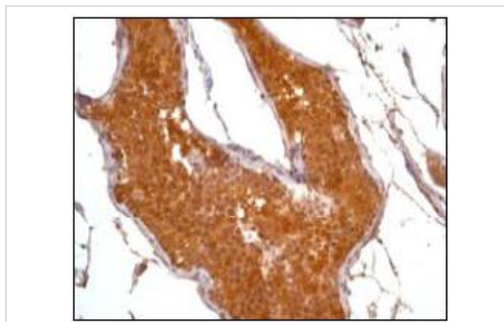
Lysates/proteins at 10 µg per lane.

#### Secondary

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

**Predicted band size:** 40 kDa

**Observed band size:** 40 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PKA alpha/beta/gamma (catalytic subunit) (phospho T197) antibody [EP2606Y] (ab75991)

ab75991, at a 1/100 dilution, staining PKA gamma (catalytic subunit) in formalin fixed, paraffin embedded human testis tissue by Immunohistochemistry.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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