

AP1414

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## Phospho-PKC (pan) ( $\beta$ II Ser660) Rabbit mAb

Catalog No.: AP1414

Recombinant

### Basic Information

#### Observed MW

85kDa

#### Calculated MW

59kDa/67kDa/74- 83kDa

#### Category

SMab Recombinant Monoclonal Antibody

#### Applications

WB,IHC-P,ELISA

#### Cross-Reactivity

Human,Mouse,Rat

#### CloneNo number

ARC58577

### Background

Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and the second messenger diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular signaling pathways. PKC family members also serve as major receptors for phorbol esters, a class of tumor promoters. Each member of the PKC family has a specific expression profile and is believed to play a distinct role in cells. The protein encoded by this gene is one of the PKC family members. This kinase has been reported to play roles in many different cellular processes, such as cell adhesion, cell transformation, cell cycle checkpoint, and cell volume control. Knockout studies in mice suggest that this kinase may be a fundamental regulator of cardiac contractility and Ca(2+) handling in myocytes. [provided by RefSeq, Jul 2008]

### Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:100 - 1:500

### Immunogen Information

#### Gene ID

5578/5579/5580/5581/5583/5588

#### Swiss Prot

P17252/P05771/Q05655/Q02156/P24723/Q04759

#### Immunogen

A synthetic phosphorylated peptide around S660 of human PRKCA(NP\_002728.2).

#### Synonyms

PRKCA/PRKCB/PRKCD/PRKCE/PRKCH/PRKCQ; Phospho-PKC (pan) ( $\beta$ II Ser660)

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

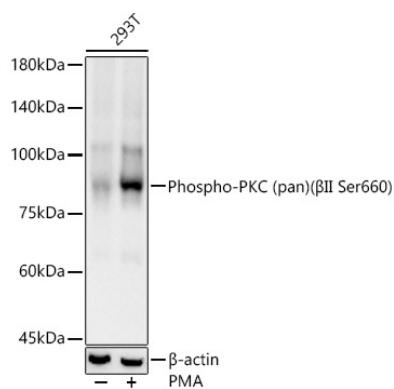
Affinity purification

#### Storage

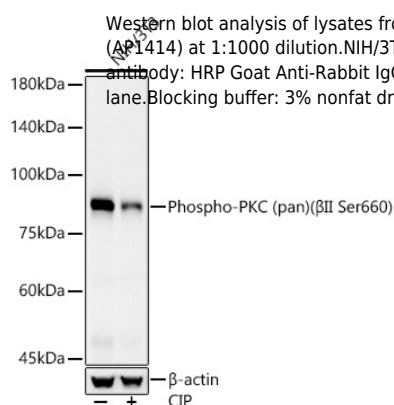
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

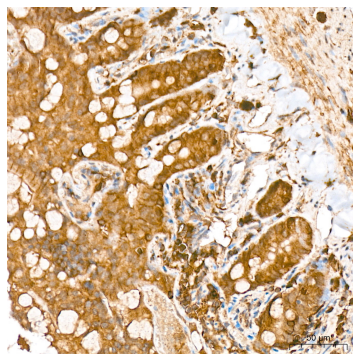
## Validation Data



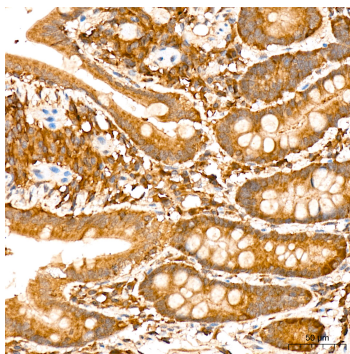
Western blot analysis of lysates from 293T cells, using Phospho-PKC (pan) (βII Ser660) Rabbit mAb (AP1414) at 1:1000 dilution. 293T cells were treated by PMA/TPA (200 nM) at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



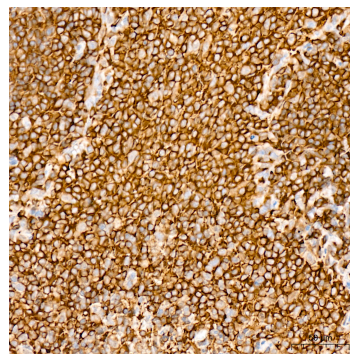
Western blot analysis of lysates from NIH/3T3 cells, using Phospho-PKC (pan) (βII Ser660) Rabbit mAb (AP1414) at 1:1000 dilution. NIH/3T3 cells were treated by CIP (20uL/400ul) at 37°C for 1 hour. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



Immunohistochemistry analysis of Phospho-PKC (pan) (βII Ser660) in paraffin-embedded rat colon tissue using Phospho-PKC (pan) (βII Ser660) Rabbit mAb (AP1414) at a dilution of 1:400 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Phospho-PKC (pan) (βII Ser660) in paraffin-embedded human colon tissue using Phospho-PKC (pan) (βII Ser660) Rabbit mAb (AP1414) at a dilution of 1:400 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Phospho-PKC (pan) (βII Ser660) in paraffin-embedded mouse spleen tissue using Phospho-PKC (pan) (βII Ser660) Rabbit mAb (AP1414) at a dilution of 1:400 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.