

# Anti-Phospho-PKC alpha (T497) Recombinant Rabbit Monoclonal Antibody



**Catalog #: 4625**

## Aliases

PRKCA; Protein Kinase C Alpha; PKCA; Protein Kinase C Alpha Type; EC 2.7.11.13; PKC-Alpha; PRKACA; PKC-A; Protein Kinase C, Alpha; Aging-Associated Gene 6; EC 2.7.11; PKCalpha; PKCI+/-; PKCα; AAG6

## Background

Gene Name: PRKCA

NCBI Gene Entry: [5578](#)

UniProt Entry: [P17252](#)

## Application Information

Molecular Weight: Predicted, 77 kDa; observed, 73 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB12135

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

## Immunogen

A synthesized peptide derived from human Phospho-PKC alpha (T497)

## Isotype

Rabbit IgG

## Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

## Storage

Store at -20 °C for one year.

## Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

**Note:** This product is for research use only.

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### ORDERS

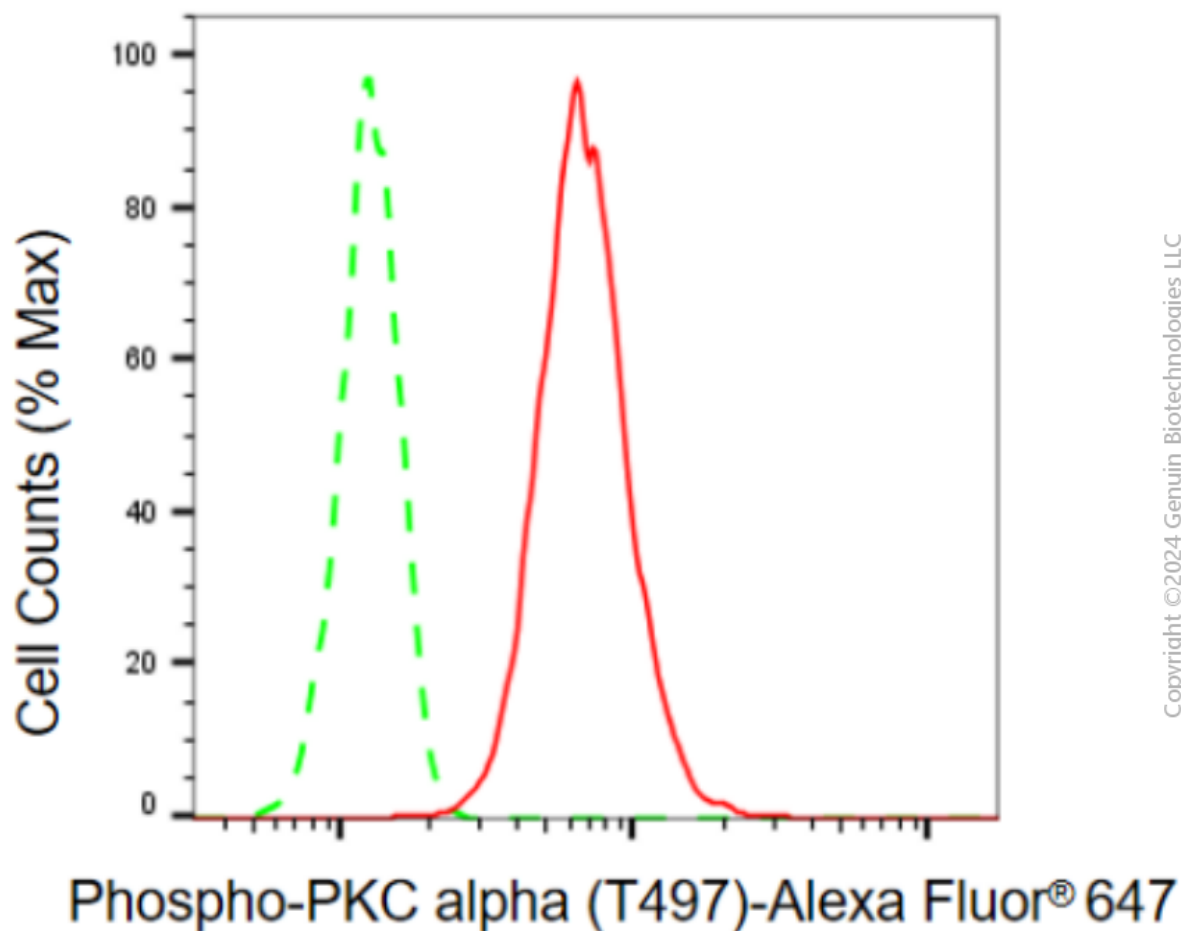
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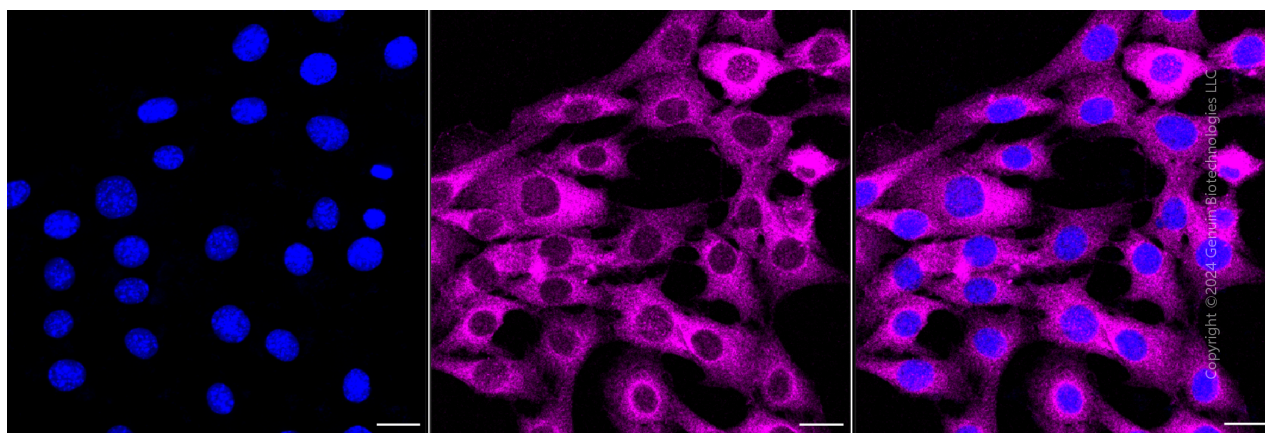
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## Validation Data



Flow cytometric analysis of Phospho-PKC alpha (T497) expression in C2C12 cells using anti-Phospho-PKC alpha (T497) antibody (Cat#4625, 1:2,000). Green, isotype control; red, Phospho-PKC alpha (T497).



Immunocytochemical staining of C2C12 cells with anti-phospho-PKC alpha (T497) antibody (Cat#4625, 1:1,000). Nuclei were stained blue with DAPI; Phospho-PKC alpha (T497) was

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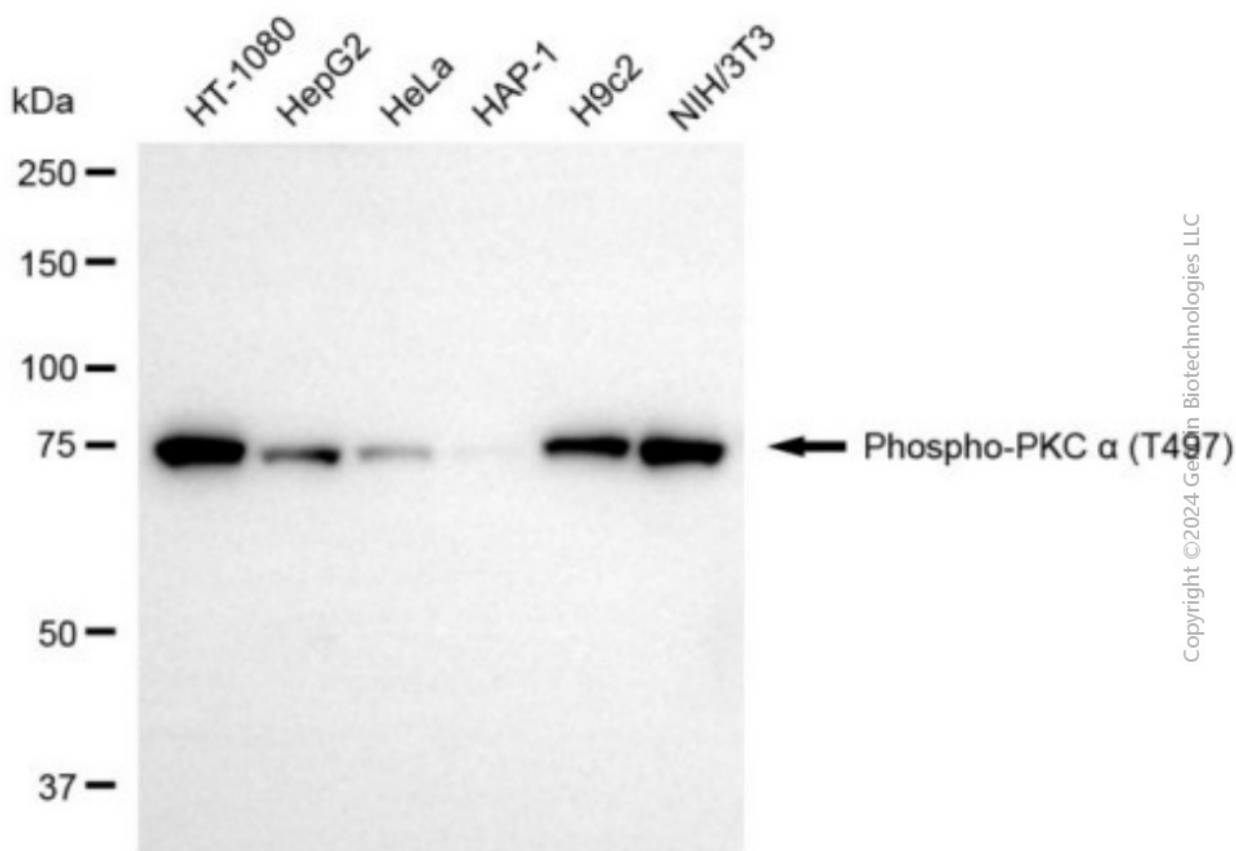
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stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20  $\mu$ m.



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Western blotting analysis using anti-phospho-PKC alpha (T497) antibody (Cat#4625). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-phospho-PKC alpha (T497) antibody (Cat#4625, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).

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