

## Catalog #: 3126

## Aliases

PRKCZ; Protein Kinase C Zeta; PKC2; Protein Kinase C Zeta Type; EC 2.7.11.13; NPKC-Zeta; Protein Kinase C, Zeta; EC 2.7.11; PKC-ZETA

## Background

Gene Name: PRKCZ

NCBI Gene Entry: [5590](#)

UniProt Entry: [Q05513](#)

## Application Information

Molecular Weight: Predicted, 68 kDa; observed, 68 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB4195

Species Reactivity: Human, mouse, rat

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

## Immunogen

A synthesized peptide derived from human PKC zeta

## 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.

## Validation Data

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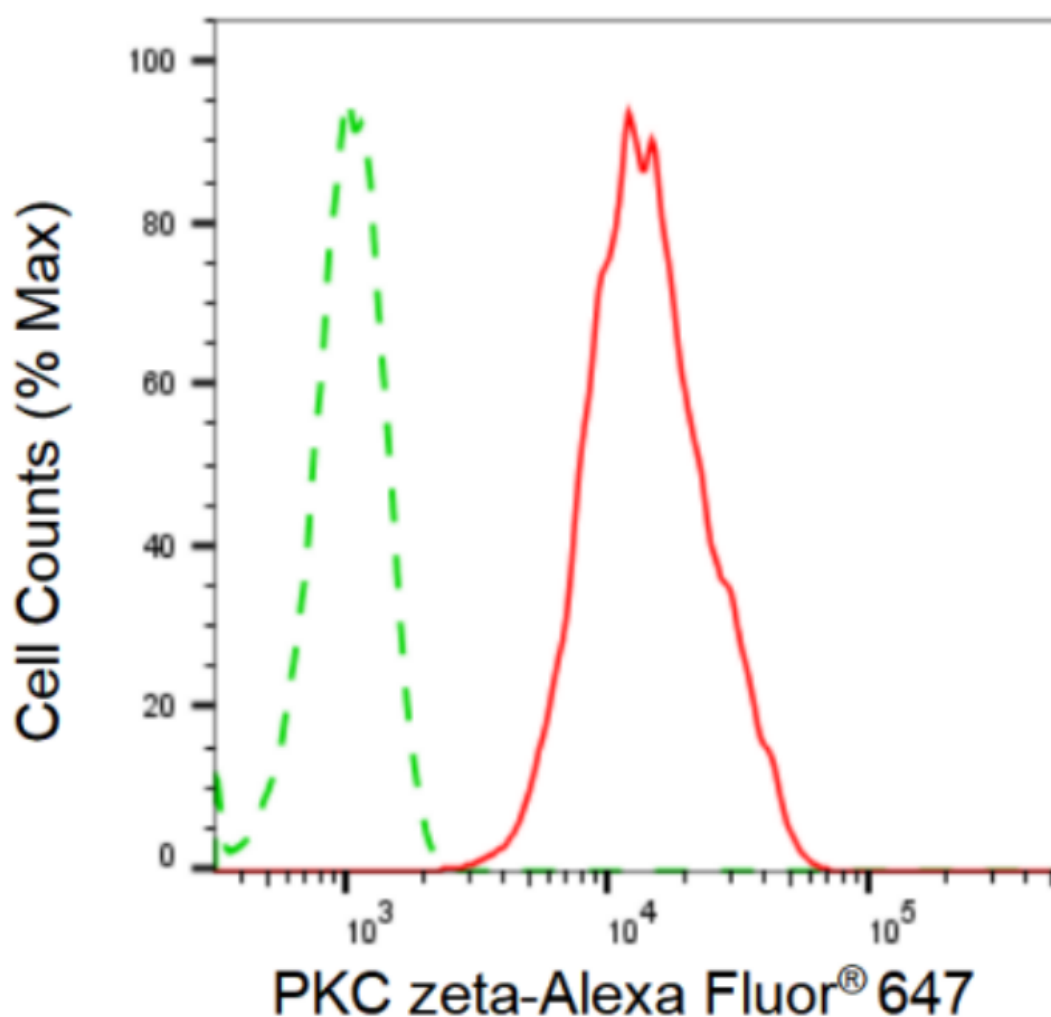
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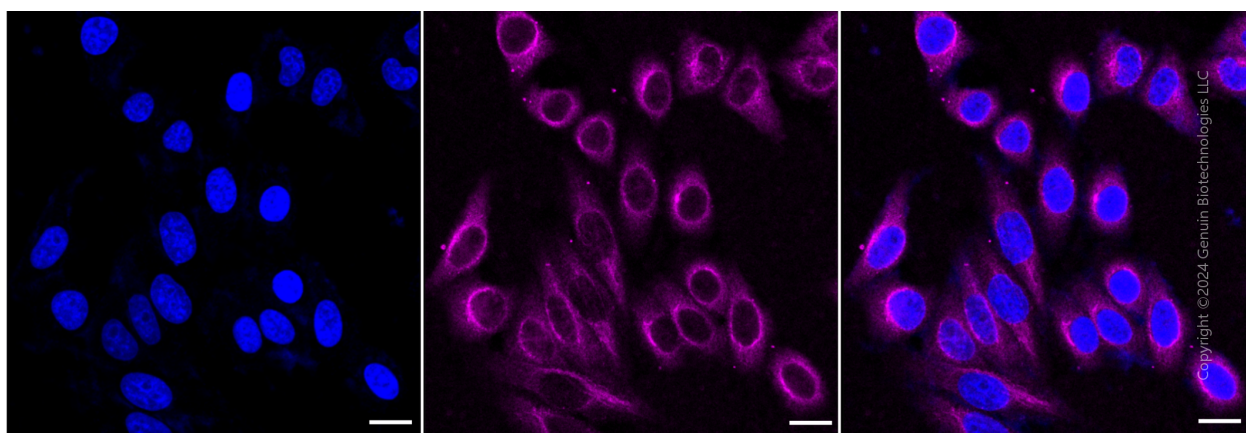
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Flow cytometric analysis of PKC zeta expression in HepG2 cells using anti-PKC zeta antibody (Cat#3126, 1:2,000). Green, isotype control; red, PKC zeta.



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Immunocytochemical staining of HepG2 cells with anti-PKC antibody (Cat#3126, 1:1,000). Nuclei were stained blue with DAPI; PKC was stained magenta with Alexa Fluor® 647. Images

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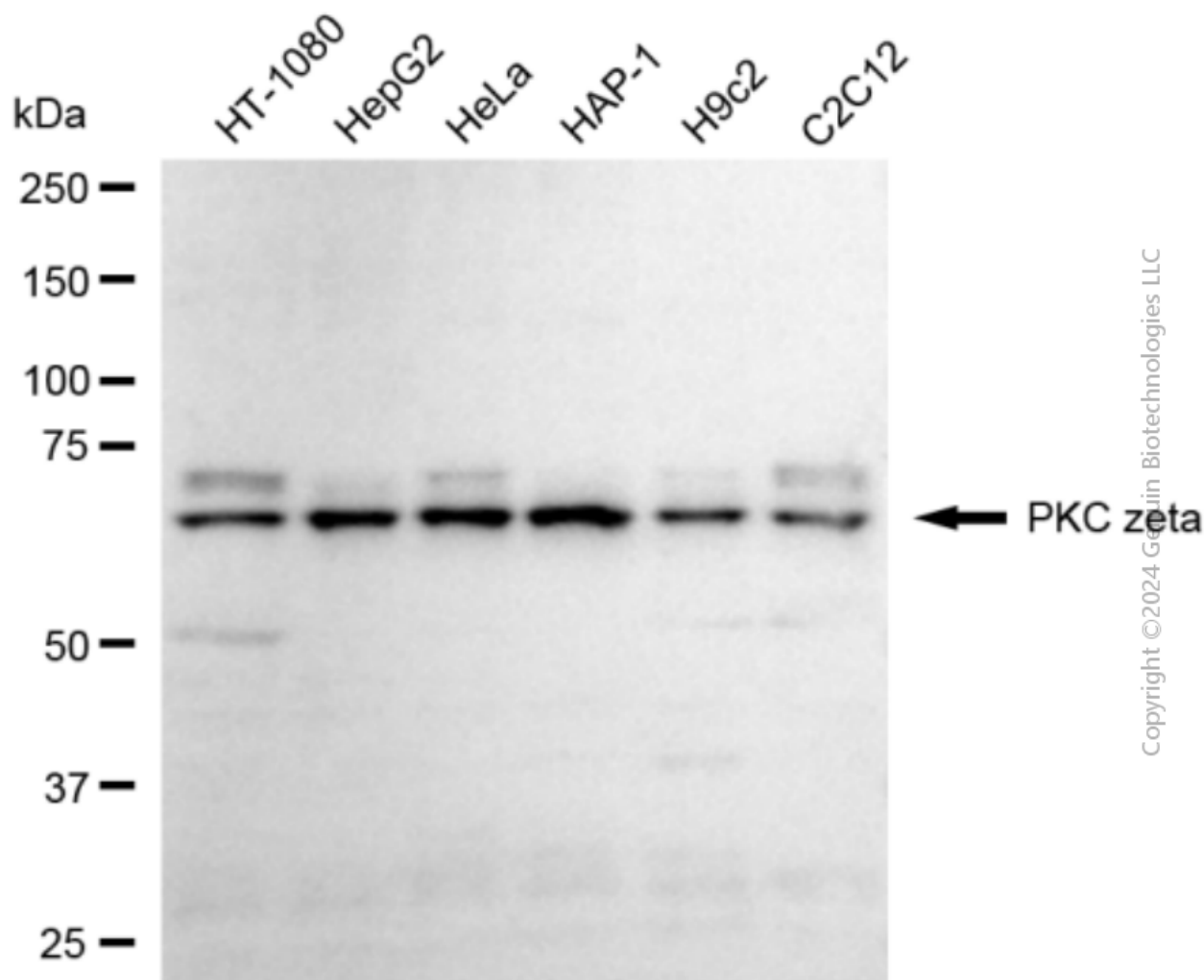
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were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20  $\mu$ m.



Western blotting analysis using anti-PKC zeta antibody (Cat#3126). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-PKC zeta antibody (Cat#3126, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).