

**Phospho-PKC  $\zeta$  (Thr 410) Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV11824****Specification****Phospho-PKC  $\zeta$  (Thr 410) Antibody - Product Information**

Application	<b>WB, IHC, IF, E</b>
Primary Accession	<a href="#">Q05513 (Human)</a> , <a href="#">Q02956 (Mouse)</a> , <a href="#">P09217 (Rat)</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>

**Phospho-PKC  $\zeta$  (Thr 410) Antibody - Additional Information**

Positive Control	<b>WB: 823, HeLa, PC-3, MCF-7, 22RV1 cell lysate</b>
Application & Usage	<b>WB 1:500-1:2000; IHC 1:100-1:300; IF 1:200-1:1000; ELISA 1:20000</b>
Alias Symbol	<b>PRKCZ</b>
<b>Other Names</b>	<b>PRKCZ; PKC2; Protein kinase C zeta type; nPKC-zeta</b>

**Appearance**

Colorless liquid

**Formulation**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

Phospho-PKC  $\zeta$  (Thr 410) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Phospho-PKC  $\zeta$  (Thr 410) Antibody - Protein****Phospho-PKC  $\zeta$  (Thr 410) Antibody - Background**

Calcium- and diacylglycerol-independent serine/threonine-protein kinase that functions in phosphatidylinositol 3-kinase (PI3K) pathway and mitogen-activated protein (MAP) kinase cascade, and is involved in NF-kappa-B activation, mitogenic signaling, cell proliferation, cell polarity, inflammatory response and maintenance of long-term potentiation (LTP). Upon lipopolysaccharide (LPS) treatment in macrophages, or following mitogenic stimuli, functions downstream of PI3K to activate MAP2K1/MEK1-MAPK1/ERK2 signaling cascade independently of RAF1 activation. Required for insulin-dependent activation of AKT3, but may function as an adapter rather than a direct activator. Upon insulin treatment may act as a downstream effector of PI3K and contribute to the activation of translocation of the glucose transporter SLC2A4/GLUT4 and subsequent glucose transport in adipocytes.

## Information

### Phospho-PKC $\zeta$ (Thr 410) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)