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Phospho-PKC ζ (Thr 410) Antibody

Rabbit Polyclonal Antibody
Catalog # ABV11824

Product Information

Application	WB, IHC, IF, E
Primary Accession	Q05513 (Human), Q02956 (Mouse), P09217 (Rat)
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG

Additional Information

Positive Control	WB: 823, Hela, PC-3, MCF-7, 22RV1 cell lysate
Application & Usage	WB 1:500-1:2000; IHC 1:100-1:300; IF 1:200-1:1000; ELISA 1:20000
Alias Symbol	PRKCZ
Other Names	PRKCZ; PKC2; Protein kinase C zeta type; nPKC-zeta
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 ζ (Thr 410) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.