

## Product datasheet for **TA389194**

### PRKCQ Mouse Antibody [Clone ID: M217]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	M217
Applications:	ICC, WB
Recommended Dilution:	<b>WB:</b> 1:1000 <b>ICC:</b> 1:100
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Isotype:	IgG2a
Immunogen:	Clone (M217) was generated from a recombinant mouse PKC $\theta$ protein that included amino acids residues in the N-terminal region. This sequence is conserved in human and rat PKC $\theta$ , and has low homology to other PKC family members.
Specificity:	This antibody detects a 79 kDa* protein corresponding to the molecular mass of PKC $\theta$ on SDS-PAGE immunoblots of human Jurkat cell lysates.
Formulation:	PBS + 1 mg/ml BSA, 0.05% NaN <sub>3</sub> and 50% glycerol
Concentration:	lot specific
Purification:	Protein A Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	79



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**Background:**

The Protein Kinase C (PKC) family of homologous serine/threonine protein kinases is involved in a number of processes such as growth, differentiation, and cytokine secretion. At least eleven isozymes have been described. PKC consists of a single polypeptide chain containing four conserved regions (C) and five variable regions (V). The N-terminal half interacts with PKC activators Ca<sup>2+</sup>, phospholipid, diacylglycerol, or phorbol ester, while the C-terminal half contains the catalytic domain. The conventional PKC subfamily ( $\alpha$ ,  $\beta$ 1,  $\beta$ II, and  $\gamma$ ) is regulated by both Ca<sup>2+</sup> and diacylglycerol. The PKC pathway represents a major signal transduction system that is activated following ligand-stimulation of transmembrane receptors by hormones, neurotransmitters, and growth factors. The phosphorylation of multiple sites in PKCs regulates their activity

**Note:**

Protein G purified tissue culture supernatant.