ARG45078
anti-PKC theta antibody [M217]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [M217] recognizes PKC theta
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	M217
Isotype	IgG2a
Target Name	PKC theta
Species	Mouse
Immunogen	Clone (M217) was generated from a recombinant mouse PKCθ protein that included amino acids residues in the N-terminal region. This sequence is conserved in human and rat PKCθ, and has low homology to other PKC family members.
Conjugation	Un-conjugated
Alternate Names	PRKCQ; Protein Kinase C Theta ; Protein Kinase C Theta Type; EC 2.7.11.13; NPKC-Theta; PRKCT; Protein Kinase C, Theta; EC 2.7.11

Application Instructions

Application table

Application	Dilution
ICC/IF	1:100
WB	1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Protein A Purified.
Buffer	PBS, 0.05% NaN3, 50% Glycerol and 0.1 % BSA.
Stabilizer	50% Glycerol and 0.1 % BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PRKCQ
Gene Full Name	Protein Kinase C Theta
Background	Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and the second messenger diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular signaling pathways. PKC family members also serve as major receptors for phorbol esters, a class of tumor promoters. Each member of the PKC family has a specific expression profile and is believed to play a distinct role. The protein encoded by this gene is one of the PKC family members. It is a calcium-independent and phospholipid-dependent protein kinase. This kinase is important for T-cell activation. It is required for the activation of the transcription factors NF-kappaB and AP-1, and may link the T cell receptor (TCR) signaling complex to the activation of the transcription factors. [provided by RefSeq, Jul 2008]
Function	Phosphorylates and activates LRRK1, which phosphorylates RAB proteins involved in intracellular trafficking. [Uniprot]
Calculated Mw	82 kDa
PTM	Phosphoprotein. [Uniprot]
Cellular Localization	Cell membrane, Cytoplasm, Membrane. [Uniprot]