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Datasheet for ABIN6976464

anti-PKC iota antibody (AA 181-280) (Alexa Fluor 350)

Overview

Quantity:	100 µL
Target:	PKC iota (PRKCI)
Binding Specificity:	AA 181-280
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKC iota antibody is conjugated to Alexa Fluor 350
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PKC iota/PRKCI
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	PKC iota (PRKCI)
Alternative Name:	PKC iota (PRKCI Products)

Target Details

Background: Synonyms: aPKC lambda/iota, aPKC-lambda/iota, Atypical protein kinase C lambda/iota, Atypical protein kinase C-lambda/iota, DXS1179E, KPCI_HUMAN, MGC26534, nPKC iota, nPKC-iota, nPKCiota, PKC lambda, PKCI, PKCiota, PKClambda, PRKC iota, PRKC lambda/iota, PRKC-lambda/iota, PRKCI, Protein kinase C iota, Protein kinase C iota type.

Background: This gene encodes a member of the protein kinase C (PKC) family of serine/threonine protein kinases. The PKC family comprises at least eight members, which are differentially expressed and are involved in a wide variety of cellular processes. This protein kinase is calcium-independent and phospholipid-dependent. It is not activated by phorbol esters or diacylglycerol. This kinase can be recruited to vesicle tubular clusters (VTCs) by direct interaction with the small GTPase RAB2, where this kinase phosphorylates glyceraldehyde-3-phosphate dehydrogenase (GAPD/GAPDH) and plays a role in microtubule dynamics in the early secretory pathway. This kinase is found to be necessary for BCL-ABL-mediated resistance to drug-induced apoptosis and therefore protects leukemia cells against drug-induced apoptosis. There is a single exon pseudogene mapped on chromosome X. [provided by RefSeq, Jul 2008]

Gene ID: 5584

UniProt: [P41743](#)

Pathways: [Neurotrophin Signaling Pathway](#), [Cell-Cell Junction Organization](#), [Tube Formation](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

	handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months