

Datasheet for ABIN6981698

**anti-PKC iota antibody (AA 181-280) (AbBy Fluor® 750)**[Go to Product page](#)

## 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 AbBy Fluor® 750                                                                        |
| 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 ( <a href="#">PRKCI Products</a> ) |

## 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

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|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
|                  | 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                                                                         |