

Rabbit anti-Human PKC iota Polyclonal Antibody | anti-PRKCI antibody

PKC iota Antibody (N-term)

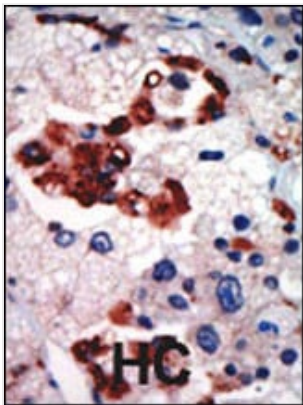
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283785	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

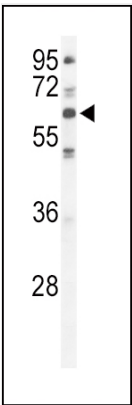
PKC iota; Polyclonal Antibody; PKC iota Antibody (N-term); Protein kinase C iota type; Atypical protein kinase C-lambda/iota; PRKC-lambda/iota; aPKC-lambda/iota; nPKC-iota; PRKCI; DXS1179E; anti-PRKCI antibody

PRODUCT SPECIFICATIONS

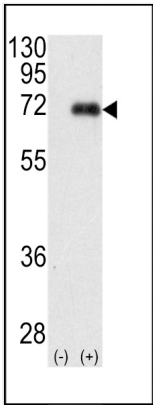
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PKC iota antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 176-207 amino acids from the N-terminal region of human PKC iota.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 1.1 (varies by lot)
Sequence Positions	176-207
Sequence Length	596
Applicable Applications for anti-PRKCI antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of hPKC-iota-C181 in Hela cell line lysates (35ug/lane).PKC (arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of PRKCI (arrow) using rabbit polyclonal PKC iota Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PRKCI gene (Lane 2) (Origene Technologies).

ADDITIONAL INFORMATION

Related Product Information for anti-PRKCI antibody	PKC iota belongs to 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 phorbolsters or diacylglycerol. This kinase can be recruited to vesicle tubular clusters (VTCs) by direct interaction with the small GTPase RAB2, where this kinase phosphorylates glyceraldehydes-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.
Product Categories/Family for anti-PRKCI antibody	Signal Transduction
References	Zhang, J., et al., J. Biol. Chem. 279(21):22118-22123 (2004). Roehrl, M.H., et al., J. Biomol. NMR 26(4):373-374 (2003). Tisdale, E.J., J. Biol. Chem. 278(52):52524-52530 (2003). Suzuki, A., et al., J. Biochem. 133(1):9-16 (2003). Acevedo-Duncan, M., et al., Cell Prolif. 35(1):23-36 (2002).

NCBI AND UNIPROT INFORMATION

NCBI GI #	133908623
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NCBI GeneID	5584
NCBI Accession #	NP_002731.4
NCBI GenBank Nucleotide #	NM_002740.5
UniProt Accession #	P41743; Q8WW06; D3DNQ4
Molecular Weight	68262
NCBI Official Full Name	protein kinase C iota type
NCBI Official Synonym Full Names	protein kinase C, iota
NCBI Official Symbol	PRKCI
NCBI Official Synonym Symbols	PKCI; DXS1179E; nPKC-iota
NCBI Protein Information	protein kinase C iota type
UniProt Protein Name	Protein kinase C iota type
UniProt Gene Name	PRKCI
UniProt Synonym Gene Names	DXS1179E; PRKC-lambda/iota; aPKC-lambda/iota
UniProt Entry Name	KPCI_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pkc-iota-antibody-immunohistochemistry-western-blot-elisa/283785>