

PKC iota Polyclonal Antibody | anti-PKC iota antibody

Anti-PKC iota Antibody

CATALOG # AAA46379	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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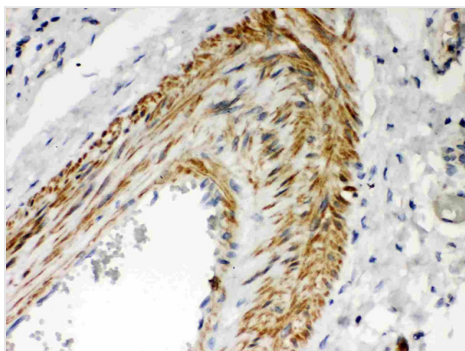
PRODUCT SYNONYMS

PKC iota; Polyclonal Antibody; Anti-PKC iota Antibody; Protein kinase C iota type; 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 I; PRKC iota; PRKC lambda/iota; PRKC-lambda/iota; PRKCI; Protein kinase C iota; protein kinase C; iota; anti-PKC iota antibody

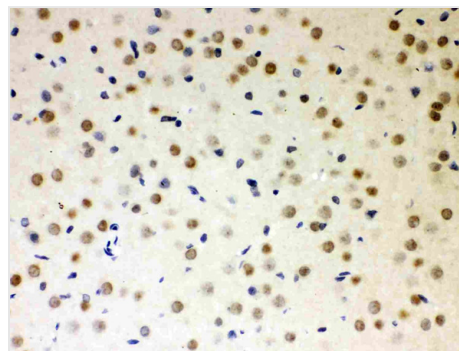
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	596
Applicable Applications for anti-PKC iota antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human PKC iota recombinant protein (Position: D21-Q214). Human PKC iota shares 96% and 97% amino acid (aa) sequence identity with mouse and rat PKC iota, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

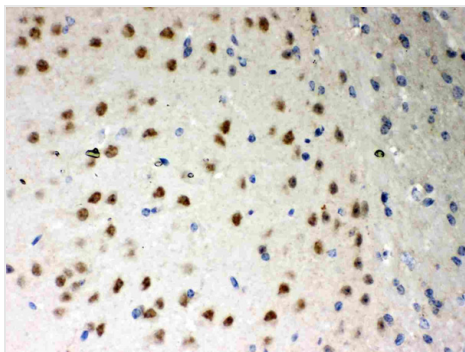
IMAGES


IHC (Immunohistochemistry)

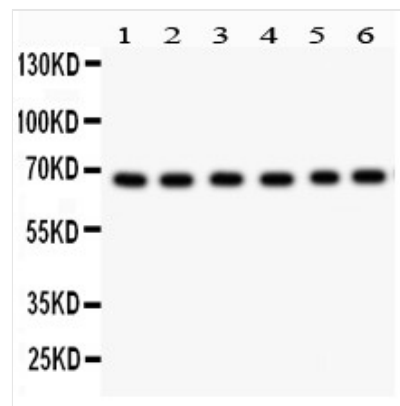
Anti- PKC iota Picoband antibody, AAA46379,IHC(P)IHC(P): Human Lung Cancer Tissue


IHC (Immunohistochemistry)

Anti- PKC iota Picoband antibody, AAA46379,IHC(P)IHC(P): Rat Brain Tissue



IHC (Immunohistochemistry)
Anti- PKC iota Picoband antibody, AAA46379,IHC(P)IHC(P): Mouse Brain Tissue



WB (Western Blot)
Anti- PKC iota Picoband antibody, AAA46379, Western blottingAll lanes: Anti PKC iota (AAA46379) at 0.5ug/mlLane 1: SHG Whole Cell Lysate at 40ugLane 2: A549 Whole Cell Lysate at 40ugLane 3: U87 Whole Cell Lysate at 40ugLane 4: 293T Whole Cell Lysate at 40ugLane 5: HELA Whole Cell Lysate at 40ugLane 6: JURKAT Whole Cell Lysate at 40ugPredicted bind size: 68KDObserved bind size: 68KD

ADDITIONAL INFORMATION

Related Product Information for anti-PKC iota antibody	Description: Rabbit IgG polyclonal antibody for Protein kinase C iota type(PRKCI) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Protein kinase C iota type, also called PKCI, is an enzyme that in humans is encoded by the PRKCI gene. This gene encodes a member of the protein kinase C (PKC) family of serine/threonine protein kinases. 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. PRKCI is found to be necessary for BCL-ABL-mediated resistance to drug-induced apoptosis and therefore protects leukemia cells against drug-induced apoptosis. PRKCI is also a hedgehog target gene that forms a positive feedback loop with GLI and exists at increased levels in basal cell carcinomas.
References	1. Atwood, S. X., Li, M., Lee, A., Tang, J. Y., Oro, A. E. GLI activation by atypical protein kinase C lambda/iota regulates the growth of basal cell carcinomas. Nature 494: 484-488, 2013. 2. De Donato, M., Gallagher Jr., D. S., Davis, S. K., Stelly, D. M., Taylor, J.F. The assignment ofPRKCI to bovine chromosome 1q34-q36 by FISH suggests a new assignment to human chromosome 3. Cytogenet. Cell Genet. 95: 79-81, 2001. 3. Mazzarella R, Ciccociola A, Esposito T, Arcucci A, Migliaccio C, Jones C, Schlessinger D, D'Urso M, D'Esposito M (August 1995). "Human protein kinase C Iota gene (PRKCI) is closely linked to the BTK gene in Xq21.3". Genomics 26(3): 629-31.

NCBI AND UNIPROT INFORMATION

NCBI GI #	133908623
NCBI GeneID	5584
NCBI Accession #	NP_002731.4
NCBI GenBank Nucleotide #	NM_002740.5
UniProt Accession #	P41743; Q8WW06; D3DNQ4
Molecular Weight	68,262 Da
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/46379>