

# Product Datasheet

## PKC iota Antibody - BSA Free NBP1-84959

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 3

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Updated 1/11/2026 v.20.1

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**NBP1-84959**

PKC iota Antibody - BSA Free

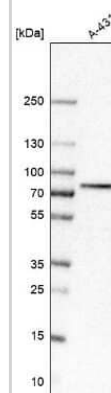
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

Product Description	
<b>Description</b>	Novus Biologicals Rabbit PKC iota Antibody - BSA Free (NBP1-84959) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-PKC iota Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	5584
<b>Gene Symbol</b>	PRKCI
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: INCKLLVHKKCHKLVTIECGRHSLPQEPVMPMDQSSMHSDDHAQTVIPYNPSSH ESLDQVGEEKEAMNTRESGKASSSLGLQDFDLLRV

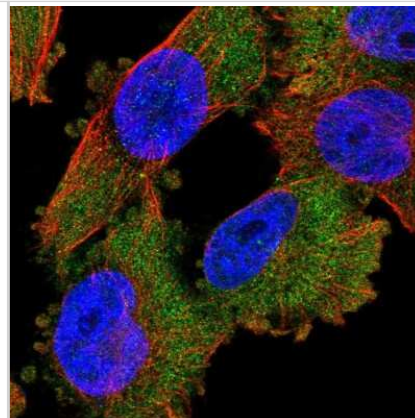
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 µg/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 µg/ml, Immunohistochemistry-Paraffin 1:50-1:200
<b>Application Notes</b>	IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

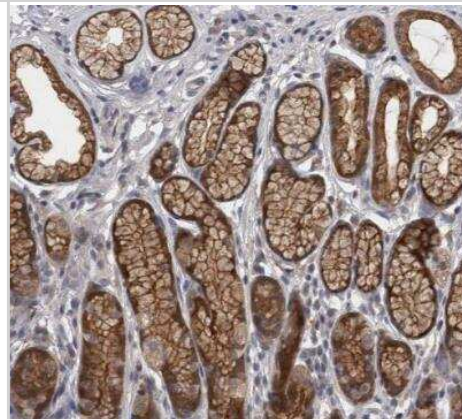
Western Blot: PKC iota Antibody [NBP1-84959] - Analysis in human cell line A-431.



Immunocytochemistry/Immunofluorescence: PKC iota Antibody [NBP1-84959] - Staining of human cell line U-251 MG shows localization to cytosol. Antibody staining is shown in green.



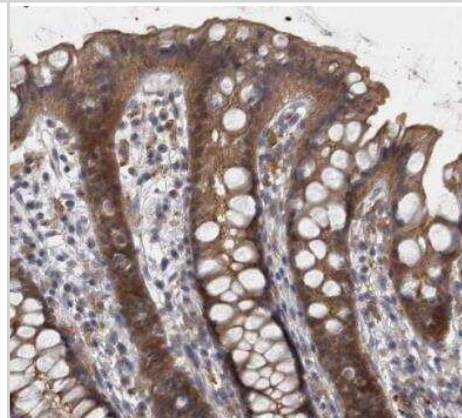
Immunohistochemistry-Paraffin: PKC iota Antibody [NBP1-84959] - Staining of human stomach shows strong membranous and cytoplasmic positivity in glandular cells.



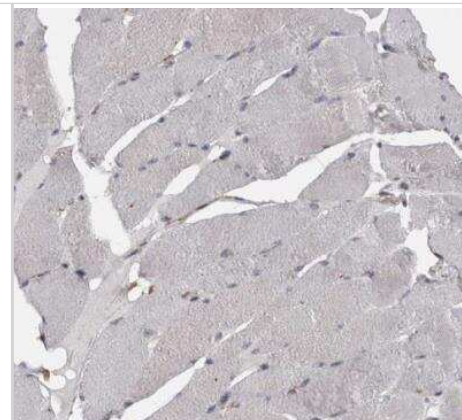
Immunohistochemistry-Paraffin: PKC iota Antibody [NBP1-84959] - Staining of human fallopian tube shows strong membranous and cytoplasmic positivity in glandular cells.



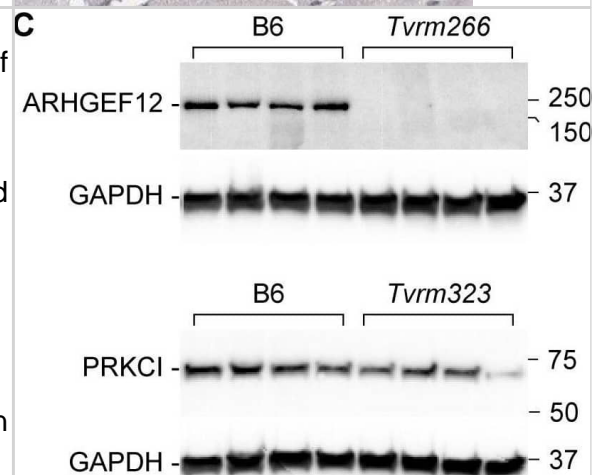
Immunohistochemistry-Paraffin: PKC iota Antibody [NBP1-84959] - Staining of human rectum shows moderate membranous and cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: PKC iota Antibody [NBP1-84959] - Staining of human skeletal muscle shows very weak cytoplasmic positivity in myocytes.



Identification of mutations and protein expression in modifier strains. A. Fundus photodocumentation of B6 rd8 and *Tvrm266* mice at 10 weeks of age, and *Tvrm323* mice at 3 months of age. Right (OD) and left (OS) eyes of a single mouse are shown. The lower portion of each image corresponds to the inferior retina based on the position of the mouse head relative to the camera during imaging. B. Sequence and amino acid translation of the mutant alleles. The DNA sequence corresponds to a portion of the forward strand of each gene, numbered as in the mRNA. Mutations are indicated in bold above the sequence. The predicted amino acid sequence is given beneath the DNA sequence using the single-letter code and the predicted translational effect of the mutation is indicated in bold below. C. Enhanced chemiluminescence western analysis. Posterior eyecup lysates from B6 control and modifier strains ( $n = 4$ ) were electrophoresed and transferred to nitrocellulose. *Tvrm266* blots were probed with ARHGEF12 antibody and *Tvrm323* blots with PRKCI antibody. After imaging, blots were probed with GAPDH antibody and reimaged to control for protein recovery and loading. Molecular weights of protein standards are indicated in kDa. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/35675330>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Weatherly SM, Collin GB, Charette JR et al. Identification of *Arhgef12* and *Prkci* as genetic modifiers of retinal dysplasia in the *Crb1rd8* mouse model PLOS Genetics 2022-06-08 [PMID: 35675330]

Li F, Negi V, Yang P et al. TEAD1 regulates cell proliferation through a pocket-independent transcription repression mechanism Nucleic acids research 2022-12-09 [PMID: 36484096] (WB, Human)

Guo G, Stirparo GG, Strawbridge SE et al. Human naive epiblast cells possess unrestricted lineage potential Cell stem cell 2021-04-03 [PMID: 33831366]



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### **Products Related to NBP1-84959**

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NBP1-84959PEP	PKC iota Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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