

PKC epsilon Polyclonal Antibody | anti-PKC epsilon antibody

Anti-PKC epsilon Antibody

CATALOG # AAA46512	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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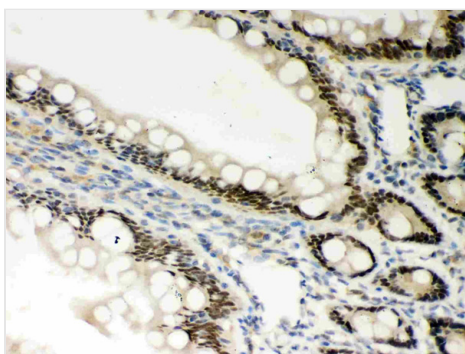
PRODUCT SYNONYMS

PKC epsilon; Polyclonal Antibody; Anti-PKC epsilon Antibody; Protein kinase C epsilon type; KPCE_HUMAN; MGC125656; MGC125657; nPKC epsilon; nPKC-epsilon; PKCE; Pkcea; PRKCE; Protein kinase C epsilon; protein kinase C; epsilon; anti-PKC epsilon antibody

PRODUCT SPECIFICATIONS

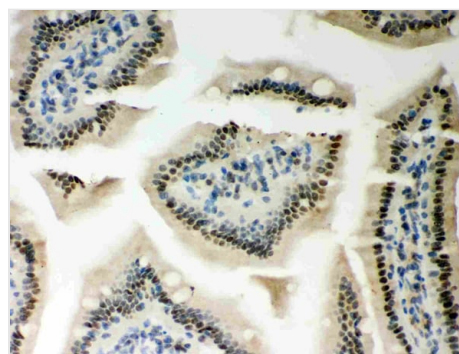
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	737
Applicable Applications for anti-PKC epsilon antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human PKC epsilon recombinant protein (Position: Q53-R236). Human PKC epsilon shares 99% amino acid (aa) sequence identity with both mouse and rat PKC epsilon.
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



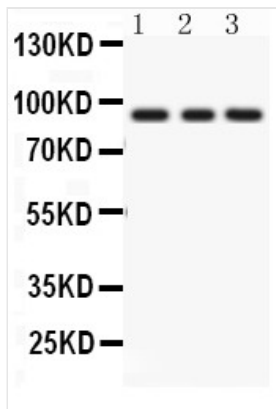
IHC (Immunohistochemistry)

Anti- PKC epsilon Picoband antibody, AAA46512, IHC(P)IHC(P): Rat Intestine Tissue



IHC (Immunohistochemistry)

Anti- PKC epsilon Picoband antibody, AAA46512, IHC(P)IHC(P): Mouse Intestine Tissue



WB (Western Blot)

Anti- PKC epsilon Picoband antibody, AAA46512, Western blottingAll lanes: Anti PKC epsilon (AAA46512) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Mosue Brain Tissue Lysate at 50ugLane 3: MCF-7 Whole Cell Lysate at 40ugPredicted bind size: 88KDObserved bind size: 88KD

ADDITIONAL INFORMATION

Related Product Information for anti-PKC epsilon antibody	Description: Rabbit IgG polyclonal antibody for Protein kinase C epsilon type(PRKCE) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
	Background: Protein kinase C epsilon type, also known as PKCE, is an enzyme that in humans is encoded by the PRKCE gene. The protein encoded by this gene is one of the PKC family members. PRKCE is mapped to 2p21. This kinase has been shown to be involved in many different cellular functions, such as apoptosis, cardioprotection from ischemia, heat shock response, as well as insulin exocytosis. It has been found that activation of PRKCE can induce VR1 channel activity at room temperature in the absence of any other agonist. PRKCE gene plays a role in apoptosis signaling pathways in thyroid cells and it has been indicated that a naturally occurring PRKCE mutant that functions as a dominant negative can block cell death triggered by a variety of stimuli. Expression of PRKCE inhibits chemotherapy-induced caspase-3 activation and apoptosis, thereby leading to cell survival.
References	1. Basta P, Strickland MB, Holmes W, Loomis CR, Ballas LM, Burns DJ (Nov 1992). "Sequence and expression of human protein kinase C-epsilon". Biochim Biophys Acta 1132 (2): 154-60. 2. Knauf, J. A., Elisei, R., Mochly-Rosen, D., Liron, T., Chen, X.-N., Gonsky, R., Korenberg, J. R., Fagin, J. A. Involvement of protein kinase C-epsilon (PKC-epsilon) in thyroid cell death: a truncated chimeric PKC-epsilon cloned from a thyroid cancer cell line protects thyroid cells from apoptosis. J. Biol. Chem. 274: 23414-23425, 1999. 3. Premkumar, L. S., Ahern, G. P. Induction of vanilloid receptor channel activity by protein kinase C. Nature 408: 985-990, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885563
NCBI GeneID	5581
NCBI Accession #	NP_005391.1
NCBI GenBank Nucleotide #	NM_005400.2
UniProt Accession #	Q02156 ; Q32MQ3 ; Q53SL4 ; Q53SM5 ; Q9UE81 ; B0LPH7
Molecular Weight	83,674 Da
NCBI Official Full Name	protein kinase C epsilon type
NCBI Official Synonym Full Names	protein kinase C epsilon
NCBI Official Symbol	PRKCE
NCBI Official Synonym Symbols	PKCE; nPKC-epsilon
NCBI Protein Information	protein kinase C epsilon type
UniProt Protein Name	Protein kinase C epsilon type

UniProt Gene Name	PRKCE
UniProt Synonym Gene Names	PKCE
UniProt Entry Name	KPCE_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-epsilon-antibody-immunohistochemistry-western-blot-elisa/46512>