

Rabbit anti-Human PKC epsilon Polyclonal Antibody | anti-PRKCE antibody

PKC epsilon Antibody (N-term)

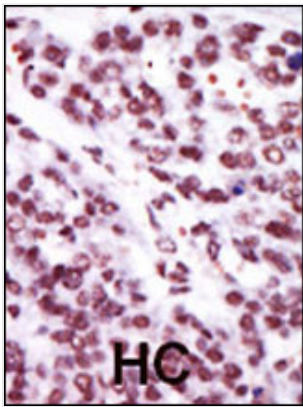
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285085	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

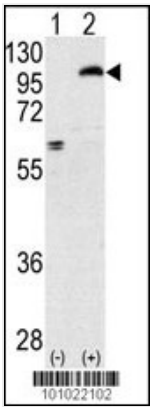
PKC epsilon; Polyclonal Antibody; PKC epsilon Antibody (N-term); Protein kinase C epsilon type; nPKC-epsilon; PRKCE; PKCE; anti-PRKCE antibody

PRODUCT SPECIFICATIONS

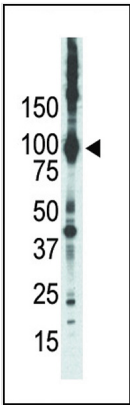
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PKC epsilon antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 206-236 amino acids from the N-terminal region of human PKC epsilon.
Purity/Purification	Purified Rabbit Polyclonal 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: 1.79 (varies by lot)
Sequence Positions	206-236
Sequence Length	737
Applicable Applications for anti-PRKCE 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 PRKCE (arrow) using rabbit polyclonal PKC epsilon Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PRKCE gene (Lane 2) (Origene Technologies).



WB (Western Blot)
Western blot analysis of anti-PKCepsilon Pab in placenta lysate. PKCepsilon (Arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-PRKCE antibody	Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and the second messenger diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular signaling pathways. PKC family members also serve as major receptors for phorbol esters, a class of tumor promoters. Each member of the PKC family has a specific expression profile and is believed to play a distinct role in cells. PKC epsilon is one of the PKC family members. This kinase has been shown to be involved in many different cellular functions, such as neuron channel activation, apoptosis, cardioprotection from ischemia, heat shock response, as well as insulin exocytosis. Knockout studies in mice suggest that this kinase is important for lipopolysaccharide (LPS)-mediated signaling in activated macrophages and may also play a role in controlling anxiety-like behavior.
Product Categories/Family for anti-PRKCE antibody	Cancer; Cardiovascular; Signal transduction
References	Gray, M.O., et al., J. Biol. Chem. 279(5):3596-3604 (2004). Ling, M., et al., Exp. Cell Res. 292(1):135-150 (2004). McJilton, M.A., et al., Oncogene 22(39):7958-7968 (2003). Robu, V.G., et al., J. Biol. Chem. 278(48):48154-48161 (2003). Mendez, C.F., et al., J. Biol. Chem. 278(45):44753-44757 (2003).

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	83674
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/pkc-epsilon-antibody-immunohistochemistry-western-blot-elisa/285085>