

Rabbit anti-Human PKC zeta Polyclonal Antibody | anti-PRKCZ antibody

PKC zeta Antibody (N-term)

CATALOG # AAA287614	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
-------------------------------	-----------------------	----------------------------	--

PRODUCT SYNONYMS

PKC zeta; Polyclonal Antibody; PKC zeta Antibody (N-term); Protein kinase C zeta type; nPKC-zeta; PRKCZ; PKC2; anti-PRKCZ antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PKC zeta antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 166-197 amino acids from the N-terminal region of human PKC zeta.
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: 2 (varies by lot)
Sequence Positions	166-197
Sequence Length	488
Applicable Applications for anti-PRKCZ 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.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with PKC zeta antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-PRKCZ antibody	Protein kinase C (PKC) zeta is a member of the PKC family of serine/threonine kinases which are involved in a variety of cellular processes such as proliferation, differentiation and secretion. Unlike the classical PKC isoenzymes which are calcium-dependent, PKC zeta exhibits a constitutive kinase activity which is independent of calcium, and PKC activators, phosphatidylserine and diacylglycerol. Furthermore, it is insensitive to PKC inhibitors and cannot be activated by phorbol ester. The structural and biochemical properties indicate that the zeta subspecies is related to, but distinct from other isoenzymes of PKC.
Product Categories/Family for anti-PRKCZ antibody	Cancer; Cardiovascular; Signal transduction
References	Li, Y.F., et al., World J. Gastroenterol. 9(9):2078-2082 (2003). Minami, T., et al., J. Biol. Chem. 278(9):6976-6984 (2003). Beeson, M., et al., Diabetes 52(8):1926-1934 (2003). Laudanna, C., et al., Lab. Invest. 83(8):1155-1163 (2003). Dada, L.A., et al., J. Clin. Invest. 111(7):1057-1064 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	75709226
NCBI GeneID	5590
NCBI Accession #	NP_001028753.1; NP_001028754.1; NP_001229803.1; NP_002735.3
NCBI GenBank Nucleotide #	NM_001033581.1
UniProt Accession #	Q05513; Q15207; Q5SYT5; Q969S4; A8K4N0; A8MU64; B7Z2J7; E9PCW2
Molecular Weight	67660
NCBI Official Full Name	protein kinase C zeta type isoform 2
NCBI Official Synonym Full Names	protein kinase C, zeta
NCBI Official Symbol	PRKCZ
NCBI Official Synonym Symbols	PKC2; PKC-ZETA
NCBI Protein Information	protein kinase C zeta type
UniProt Protein Name	Protein kinase C zeta type
UniProt Gene Name	PRKCZ
UniProt Synonym Gene Names	PKC2
UniProt Entry Name	KPCZ_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-zeta-antibody-immunohistochemistry-western-blot-elisa/287614>