



PRKCZ Polyclonal Antibody

Catalog No	E90830	Lot Number	P00009
Applications	IHC	Quantity	100ul, 100ug/100ul
Cross-Reactivity	H M R	Calculated MW	80kDa

Immunogen Information

Immunogen	Recombinant protein of human PRKCZ
Gene ID	5590
Swiss Prot	Q05513
Synonyms	PKC-ZETA; PKC2

Product information

Species	Rabbit
Isotype	IgG
Purity	Affinity purification
Storage	Store at -20°C or -80°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

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 kinase activity which is independent of calcium and diacylglycerol but not of phosphatidylserine. Furthermore, it is insensitive to typical PKC inhibitors and cannot be activated by phorbol ester. Unlike the classical PKC isoenzymes, it has only a single zinc finger module. These structural and biochemical properties indicate that the zeta subspecies is related to, but distinct from other isoenzymes of PKC. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Recommended Dilutions

IHC	1:50-1:100
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