



Rabbit Anti-Human PKC zeta monoclonal antibody, clone T.339.3 (CABT-L1548)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody is not cross-reactive with other PKC isoforms.
Target	PRKCZ
Immunogen	Synthetic peptide corresponding to human PKC zeta.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Non-human primate, Rat
Clone	T.339.3
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
Preservative	See individual product datasheet
Storage	-20°C

BACKGROUND

Introduction 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.

Keywords PRKCZ;protein kinase C, zeta;PKC2;PKC-ZETA;protein kinase C zeta type;nPKC-zeta

GENE INFORMATION

Entrez Gene ID [5590](#)

UniProt ID [Q05513](#)