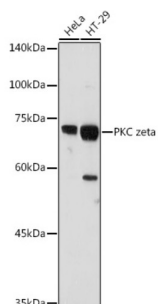
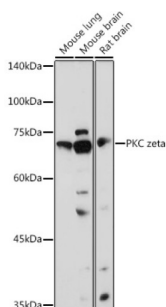


Protein Kinase C Zeta Type (PRKCZ) Antibody

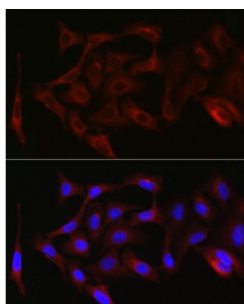
Catalogue No.: abx004368



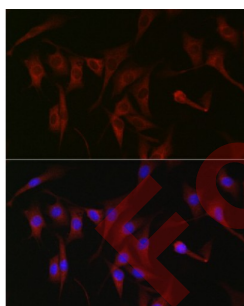
Western blot analysis of extracts of various cell lines using PKC zeta Antibody (1/1000 dilution).



Western blot analysis of extracts of various cell lines using PKC zeta Antibody (1/1000 dilution).



Immunofluorescence analysis of A-549 cells using PKC zeta Antibody (1/100 dilution, 40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using PKC zeta Antibody (1/100 dilution, 40x lens). Blue: DAPI for nuclear staining.

PKCz Antibody is a Rabbit Polyclonal antibody against PKCz. 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.

Datasheet

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Target:	Protein Kinase C Zeta Type (PRKCZ)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	WB, IF/ICC
Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/1000, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein corresponding to human PKC zeta
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q05513 (UniProt , ExPASy)
Gene Symbol:	PRKCZ
GeneID:	5590
NCBI Accession:	NP_002735.3
KEGG:	hsa:5590
String:	9606.ENSP00000367830
Molecular Weight:	Calculated MW: 46 kDa/56 kDa/67 kDa Observed MW: 70 kDa
Buffer:	PBS, pH 7.3, containing 0.01% thiomersal, 50% glycerol.
Concentration:	1 mg/ml

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Note:

THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only