

Datasheet for ABIN7257695
anti-PKC zeta antibody



[Go to Product page](#)

1 Image

Overview

Quantity:	200 µL
Target:	PKC zeta (PRKCZ)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKC zeta antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein of human PRKCZ (NP_002735.3).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	PKC zeta (PRKCZ)
Alternative Name:	PRKCZ (PRKCZ Products)
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.

Target Details

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.

Molecular Weight: Observed_MW: 78 kDa
Calculated_MW: 46 kDa/56 kDa/67 kDa

Gene ID: 5590

UniProt: [Q05513](#)

Pathways: [NF-kappaB Signaling](#), [RTK Signaling](#), [Myometrial Relaxation and Contraction](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Synaptic Membrane](#), [Production of Molecular Mediator of Immune Response](#), [CXCR4-mediated Signaling Events](#), [Thromboxane A2 Receptor Signaling](#)

Application Details

Application Notes: WB 1:500-1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

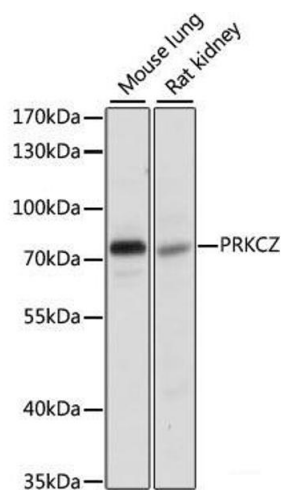
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines using PRKCZ Polyclonal Antibody at dilution of 1:1000.