

Datasheet for ABIN6146208  
**anti-PKC theta antibody (AA 1-230)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	PKC theta (PRKCQ)
Binding Specificity:	AA 1-230
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKC theta antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-230 of human PRKCQ (NP_006248.1).
Sequence:	MSPFLRIGLS NFDCGSCQSC QGEAVNPYCA VLVKEYVESE NGQMYIQKKP TMYPPWDSTF DAHINKGRVM QIIVKGKNVD LISETTVELY SLAERCRKNN GKTEIWLELK PQGRMLMNAR YFLEMSDTKD MNEFETEGFF ALHQRRGAIK QAKVHHVKCH EFTATFFPQP TFC SVCHEFV WGLNKQGYQC RQCNAAIHKK CIDKVIAKCT GSAINSRETM FHKERFKIDM
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Target Details

Target:	PKC theta (PRKCQ)
Alternative Name:	PRKCQ ( <a href="#">PRKCQ Products</a> )
Background:	<p>Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and the second messenger diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular signaling pathways. PKC family members also serve as major receptors for phorbol esters, a class of tumor promoters. Each member of the PKC family has a specific expression profile and is believed to play a distinct role. The protein encoded by this gene is one of the PKC family members. It is a calcium-independent and phospholipid-dependent protein kinase. This kinase is important for T-cell activation. It is required for the activation of the transcription factors NF-kappaB and AP-1, and may link the T cell receptor (TCR) signaling complex to the activation of the transcription factors.,PRKCQ,PRKCT,nPKC-theta,Cancer,Signal Transduction,G protein signaling,G2/M DNA Damage Checkpoint,Kinase,Serine/threonine kinases,Phospholipase Signaling Pathway,Protein Kinase C Signaling Pathway,ErbB-HER Signaling Pathway,MAPK-Erk Signaling Pathway,Cell Biology &amp; Developmental Biology,Apoptosis,Mitochondrial Control of Apoptosis,Inhibition of Apoptosis,TGF-b-Smad Signaling Pathway,Endocrine &amp; Metabolism,Insulin Receptor Signaling Pathway,Immunology &amp; Inflammation,B Cell Receptor Signaling Pathway,T Cell Receptor Signaling Pathway,NF-kB Signaling Pathway,PRKCQ</p>
Molecular Weight:	67 kDa/74 kDa/81 kDa
Gene ID:	5588
UniProt:	<a href="#">Q04759</a>
Pathways:	<a href="#">TCR Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a> , <a href="#">Thromboxane A2 Receptor Signaling</a>

## Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

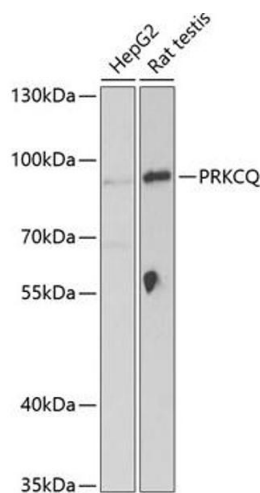
## Handling

Format:	Liquid
---------	--------

Handling

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.

Validation report #104300 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)



Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using PRKCQ Antibody (ABIN6128466, ABIN6146208, ABIN6146209 and ABIN6221529) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.