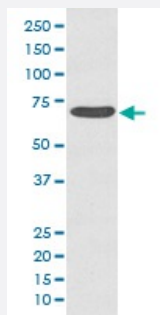


# PRKCZ (phospho T560) monoclonal antibody, clone GED-16

Catalog # MAB20553      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western Blot analysis of HeLa cell treated with Calyculin A lysate using PRKCZ (phospho T560) monoclonal antibody, clone GED-16.

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human PRKCZ.
<b>Immunogen</b>	A synthetic phosphopeptide corresponding to residues surrounding T560 of human PRKCZ.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunohistochemistry (1:50-1:200) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.4-0.5 mg/mL BSA, 0.02% sodium azide).
<b>Storage Instruction</b>	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western Blot analysis of HeLa cell treated with Calyculin A lysate using PRKCZ (phospho T560) monoclonal antibody, clone GED-16.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

## Gene Info — PRKCZ

Entrez GeneID [5590](#)

Protein Accession# [Q05513](#)

Gene Name PRKCZ

Gene Alias PKC-ZETA, PKC2

Gene Description protein kinase C, zeta

Omim ID [176982](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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]

**Other Designations** OTTHUMP00000001368|OTTHUMP00000044160

## Pathway

- [Chemokine signaling pathway](#)

- [Endocytosis](#)
- [Insulin signaling pathway](#)
- [Tight junction](#)
- [Type II diabetes mellitus](#)

## Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)