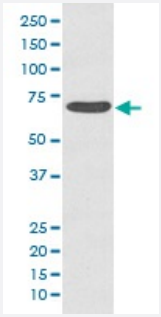
PRKCZ (phospho T560) monoclonal antibody, clone GED-16

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

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

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

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Western Blot (Cell lysate)

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

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 ar e involved in a variety of cellular processes such as proliferation, differentiation and secretion. Unli ke the classical PKC isoenzymes which are calcium-dependent, PKC zeta exhibits a kinase activ ity 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 clas sical PKC isoenzymes, it has only a single zinc finger module. These structural and biochemical p roperties indicate that the zeta subspecies is related to, but distinct from other isoenzymes of PK C. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq
Other Designations	OTTHUMP00000001368|OTTHUMP00000044160

Pathway

- Chemokine signaling pathway

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- Endocytosis
- Insulin signaling pathway
- Tight junction
- Type II diabetes mellitus

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease

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