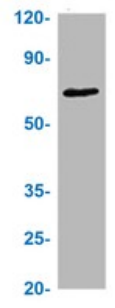
RecomAb™

PRKCZ (phospho T560) recombinant monoclonal antibody, clone 1B10

Catalog # RAB04264 Size 100 uL

Applications



Western Blot

Western blot analysis of A549 whole cell lysate with PRKCZ (phospho T560) recombinant monoclonal antibody, clone 1B10 (Cat # RAB04264).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PRKCZ.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surrounding T560 of human PRKCZ.
Theoretical MW (kDa)	Calculated MW: 68 kD
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography
Isotype	IgG

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Recommend Usage	ELISA Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot

  Western blot analysis of A549 whole cell lysate with PRKCZ (phospho T560) recombinant monoclonal antibody, clone 1B10 (Cat # RAB04264).

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

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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

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