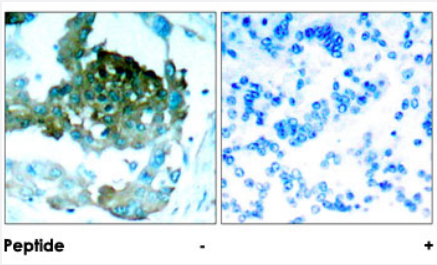
PRKCQ polyclonal antibody

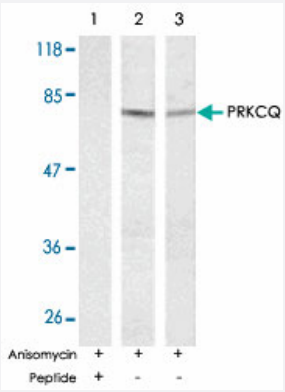
Catalog # PAB26739 Size 100 ug

Applications



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

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using PRKCQ polyclonal antibody (Cat # PAB26739).



Western Blot (Cell lysate)

Western blot analysis of exreacts from HT-29 and K-562 cells untreated or treated with anisomycin (1mM, 30 min) using PRKCQ polyclonal antibody (Cat # PAB26739).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PRKCQ.
Immunogen	A synthetic peptide corresponding to residues surrounding S695 of human PRKCQ.
Sequence	N-F-Sp-F-M
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid

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Purification	Affinity chromatography
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°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

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

  Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using PRKCQ polyclonal antibody (Cat # PAB26739).

- Western Blot (Cell lysate)

  Western blot analysis of exreacts from HT-29 and K-562 cells untreated or treated with anisomycin (1mM, 30 min) using PRKCQ polyclonal antibody (Cat # PAB26739).

Gene Info — PRKCQ

Entrez GeneID	5588
Protein Accession#	Q04759
Gene Name	PRKCQ
Gene Alias	MGC126514, MGC141919, PRKCT, nPKC-theta
Gene Description	protein kinase C, theta
Omim ID	600448
Gene Ontology	Hyperlink

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Gene Summary	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. [provided by RefSeq
Other Designations	OTTHUMP00000019053|OTTHUMP00000043364|OTTHUMP00000043365

Pathway

- Adipocytokine signaling pathway
- T cell receptor signaling pathway
- Tight junction
- Vascular smooth muscle contraction

Disease

- Alzheimer Disease
- Arthritis
- Carcinoma
- Cardiovascular Diseases
- Celiac Disease
- Cerebral Hemorrhage
- Diabetes Mellitus
- Disease Progression
- Edema
- Genetic Predisposition to Disease
- Hypertension

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- Inflammation
- Intracranial Hemorrhages
- Kidney Failure
- Narcolepsy
- Prostatic Neoplasms
- Stroke
- Subarachnoid Hemorrhage
- Tobacco Use Disorder
- Wegener Granulomatosis

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