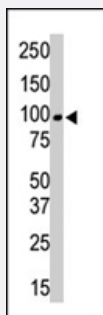


PRKCQ polyclonal antibody

Catalog # PAB4547

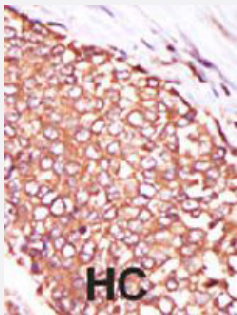
Size 400 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of PRKCQ polyclonal antibody (Cat # PAB4547) in placenta lysate . PRKCQ (Arrow) was detected using purified PRKCQ polyclonal antibody (Cat # PAB4547) . Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence .



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

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with PRKCQ polyclonal antibody (Cat # PAB4547) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining . This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated . HC = hepatocarcinoma .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PRKCQ.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human PRKCQ.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to 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

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- Enzyme-linked Immunoabsorbent Assay

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

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

Publication Reference

- [Diacylglycerol-dependent binding recruits PKCtheta and RasGRP1 C1 domains to specific subcellular localizations in living T lymphocytes.](#)
Carrasco S, Merida I.
Molecular Biology of the Cell 2004 Jun; 15(6):2932.
- [Akt mediates insulin-stimulated phosphorylation of NdrG2: evidence for cross-talk with protein kinase C theta.](#)
Burchfield JG, Lennard AJ, Narasimhan S, Hughes WE, Wasinger VC, Corthals GL, Okuda T, Kondoh H, Biden TJ, Schmitz-Peiffer C.
The Journal of Biological Chemistry 2004 Feb; 279(18):18623.
- [Association of CBFA2 mutation with decreased platelet PKC-theta and impaired receptor-mediated activation of GPIIb-IIIa and pleckstrin phosphorylation: proteins regulated by CBFA2 play a role in GPIIb-IIIa activation.](#)
Sun L, Mao G, Rao AK.
Blood 2003 Oct; 103(3):948.

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](#)
- [Inflammation](#)
- [Intracranial Hemorrhages](#)
- [Kidney Failure](#)
- [Narcolepsy](#)
- [Prostatic Neoplasms](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Tobacco Use Disorder](#)
- [Wegener Granulomatosis](#)