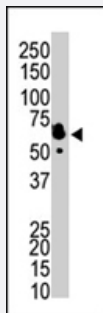


PRKCH polyclonal antibody

Catalog # PAB4538

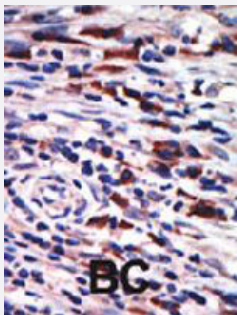
Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of PRKCH polyclonal antibody (Cat # PAB4538) in NCI-H460 cell lysate . PRKCH (arrow) was detected using purified PRKCH polyclonal antibody (Cat # PAB4538) . Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence .



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

Formalin-fixed and paraffin-embedded human cancer tissue reacted with PRKCH polyclonal antibody (Cat # PAB4538) , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining . This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated . BC = breast carcinoma .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PRKCH.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human PRKCH.
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 — PRKCH

Entrez GeneID	5583
Protein Accession#	P24723
Gene Name	PRKCH
Gene Alias	MGC26269, MGC5363, PKC-L, PKCL, PRKCL, nPKC-eta
Gene Description	protein kinase C, eta
Omim ID	601367 605437
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 in cells. The protein encoded by this gene is one of the PKC family members. It is a calcium-independent and phospholipids-dependent protein kinase. It is predominantly expressed in epithelial tissues and has been shown to reside specifically in the cell nucleus. This protein kinase can regulate keratinocyte differentiation by activating the MAP kinase MAPK13 (p38delta)-activated protein kinase cascade that targets CCAAT/enhancer-binding protein alpha (CEBPA). It is also found to mediate the transcription activation of the transglutaminase 1 (TGM1) gene. [provided by RefSeq]

Other Designations

protein kinase C eta type

Publication Reference

- [Identification of multiple, novel, protein kinase C-related gene products.](#)

Palmer RH, Ridden J, Parker PJ.

FEBS Letters 1994 Dec; 356(1):5.

- [Isolation and characterization of PKC-L, a new member of the protein kinase C-related gene family specifically expressed in lung, skin, and heart.](#)

Bacher N, Zisman Y, Berent E, Livneh E.

Molecular and Cellular Biology 1992 Mar; 12(3):1404.

Application: WB-Tr, Monkey, COS cells

Pathway

- [Tight junction](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Arthritis](#)
- [Atherosclerosis](#)
- [Brain Infarction](#)

- [Brain Ischemia](#)
- [Cerebral Hemorrhage](#)
- [Depressive Disorder](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Helicobacter Infections](#)
- [Hypertension](#)
- [Inflammation](#)
- [Narcolepsy](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Tobacco Use Disorder](#)