

## PKCz(Ab-410) Antibody

Catalog No: #21314

Package Size: #21314-1 50ul #21314-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	PKCz(Ab-410) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total PKCz protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa. 408~412 ( T-S-T-F-C) derived from PKCz
Target Name	PKCz
Other Names	PKC2; PKC-ZETA; PRKCZ
Accession No.	Swiss-Prot: Q05513NCBI Protein: NP_002735.3
Uniprot	Q05513
GeneID	5590;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

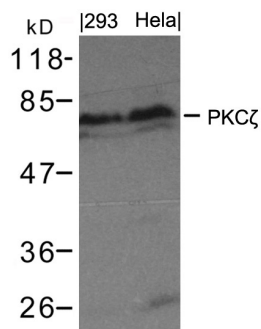
## Application Details

Predicted MW: 78kd

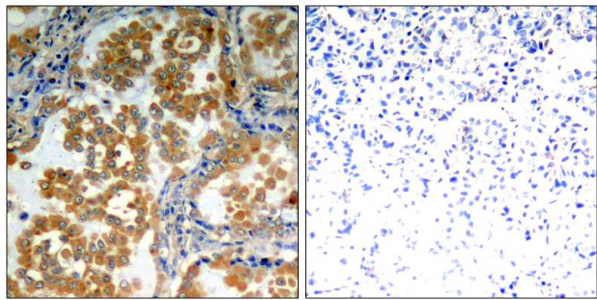
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

## Images



Western blot analysis of extract from 293 cells and HeLa using PKCz(Ab-410) Antibody #21314.



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using PKCz(Ab-410) antibody(#21314).

## Background

This is a calcium-independent, phospholipid-dependent, serine- and threonine-specific enzyme. PKC is activated by diacylglycerol which in turn phosphorylates a range of cellular proteins. PKC also serves as the receptor for phorbol esters, a class of tumor promoters. Subunit of a quaternary complex that plays a central role in epithelial cell polarization.

Parmentier JH, et al. (2004) BMC Cell Biol; 5: 4.

Castrillo A, et al. (2003) Mol Cell Biol; 23(4): 1196-1208.

Paramio JM, et al. (2001) Mol Cell Biol; 21(21): 7449-7459.

Braiman L, et al. (2001) Mol Cell Biol; 21(22): 7852-7861.

Note: This product is for in vitro research use only