For Research Use Only

## PKC Alpha Monoclonal antibody

Catalog Number:66421-1-lg Featured Product 2 Publications

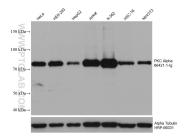
oroteintech Antibodies | ELISA kits | Proteins www.ptglab.com

Basic Information	Catalog Number: 66421-1-lg	GenBank Accession N BC 109274		Purification Method: Protein A purification	
	Size:	GeneID (NCBI):		CloneNo.:	
	150ul , Concentration: 1000 ug/m			1D11F4	
	Nanodrop and 1000 ug/ml by Bradford <sub>UNIPROT ID:</sub> method using BSA as the standard; P17252			Recommended Dilutions: WB 1:5000-1:50000	
	Source: Mouse	Full Name: protein kinase C, alpha		IHC 1:50-1:500 IF/ICC 1:400-1:1600	
	lsotype: lgG1	Observed MW: 77 kDa		FC (Intra) 0.40 ug per 10^6 cells in a 100 µl suspension	
	Immunogen Catalog Number: AG17275				
Applications	Tested Applications:		Positive Contro	ols:	
	WB, IHC, IF/ICC, FC (Intra), ELISA Cited Applications: WB		cells, HepG2 ce	, HEK-293 cells, C6 cells, RAW 264.7 ells, Jurkat cells, K-562 cells, HSC-T6	
	Species Specificity:		cells, NIH/3T3 cells IHC : human lung cancer tissue,		
	human, mouse, rat		IF/ICC : HeLa cells,		
	Cited Species: human, mouse		FC (Intra) : HeL	a cells,	
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
Background Information	buffer pH 6.0 Protein kinase C (PKC) is a family and the second messenger diacylg are known to be involved in diver for phorbol esters, a class of tumo is believed to play a distinct role play roles in many different cellu	of serine- and threonine- glycerol. PKC family merr se cellular signaling path r promoters. Each membe in cells. PRKCA is one of t lar processes, such as cell dies in mice suggest that	bers phosphoryla ways. PKC family r of the PKC famil ne PKC family me adhesion, cell tra	inases that can be activated by calciu ate a wide variety of protein targets ar y members also serve as major recept y has a specific expression profile an embers. This kinase has been reported insformation, cell cycle checkpoint, ar the a fundamental regulator of cardiac	
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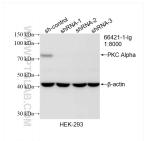
For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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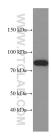
## Selected Validation Data



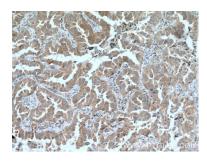
Various lysates were subjected to SDS PAGE followed by western blot with 66421-1-1g (PKC Alpha antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



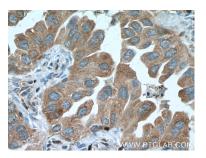
WB result of PKC Alpha antibody (66421-1-Ig; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PKC Alpha transfected HEK-293 cells.



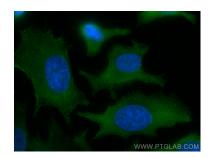
HeLa cells were subjected to SDS PAGE followed by western blot with 66421-1-1g (PKC alpha antibody at dilution of 1:10000 incubated at room temperature for 1.5 hours.



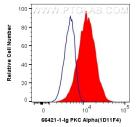
Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 66421-1-1g (PKC alpha antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 66421-1-1g (PKC alpha antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using PKC Alpha antibody (66421-1-lg, Clone: 1D11F4) at dilution of 1:800 and Coralite®488-Conjugated Goat Anti-Mouse IgC(H+L).



1X10^6 HeLa cells were intracellularly stained with 0.4 ug Anti-Human PKC Alpha (66421-1-lg, Clone:1D11F4) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-lg, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).