For Research Use Only

PKC Iota Monoclonal antibody

Catalog Number:66493-1-Ig Featured Product

1 Publications

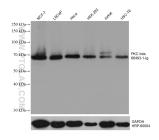


Basic Information	Catalog Number: 66493-1-lg	GenBank Accession Nu BC022016	Jmber:	Purification Method: Protein A purification	
	Size:	GeneID (NCBI):		CloneNo.:	
	150ul , Concentration: 1000 ug/ml by			3A1B6	
	Nanodrop;	UNIPROT ID: P41743 Full Name: protein kinase C, iota		Recommended Dilutions: WB 1:5000-1:50000 IHC 1:150-1:600 IF-P 1:200-1:800 IF/ICC 1:400-1:1600	
	Source:				
	Mouse				
	Isotype:				
	Immunogen Catalog Number: AG4990	Calculated MW:		17766 1.400-1.1000	
		68 kDa			
		Observed MW: 70 kDa			
Applications	Tested Applications:		Positive Controls:		
	Cited Applications: cells, C6		WB : MCF-7 cells, HeLa cells, HEK-293 cells, ROS1728		
				cells, LNCaP cells, Jurkat cells, HSC-T6 cells, 4.7 cells, NIH/3T3 cells	
	Species Specificity:		IHC : human l	ung cancer tissue,	
	Cited Species:		IF-P : human	F-P : human lung cancer tissue,	
			IF/ICC : HeLa	cells,	
	retrieval may be performed w	ith citrate			
	buffer pH 6.0				
Background Information	buffer pH 6.0 The atypical protein kinase C isoform serine/threonine protein kinases. PKC and are involved in a wide variety of dependent. It is not activated by phor clusters (VTCs) by direct interaction v 3-phosphate dehydrogenase (GAPD/C pathway. This kinase is found to be n	E family comprises at le cellular processes. PRK bolesters or diacylglyc vith the small GTPase R GAPDH) and plays a role ecessary for BCL-ABL-m inst drug-induced apop	east eight men C iota is calciu erol. This kinas (AB2, where thi e in microtubul lediated resista tosis. PRKC iot	bers, which are differentially expressed m-independent and phospholipid- te can be recruited to vesicle tubular s kinase phosphorylates glyceraldehyd e dynamics in the early secretory ance to drug-induced apoptosis and a plays a key role in cell proliferation,	
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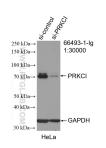
For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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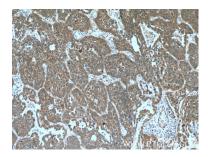
Selected Validation Data



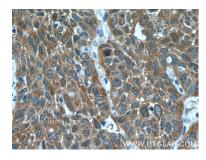
Various lysates were subjected to SDS PAGE followed by western blot with 66493-1-1g (PKC lota antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



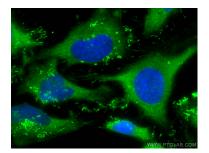
WB result of PKC lota antibody (66493-1-lg; 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PKC lota transfected HeLa cells.



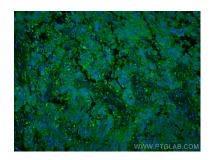
Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 66493-1-Ig (PKC iota antibody) at dilution of 1:300 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 66493-1-1g (PKC iota antibody) at dilution of 1:300 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using PKC Iota antibody (66493-1-Ig, Clone: 3A1B6) at dilution of 1:800 and Coralite®488-Conjugated Goat Anti-Mouse IgC(H+1).



Immunofluorescent analysis of (4% PFA) fixed human lung cancer tissue using PKC lota antibody (66493-1-lg, Clone: 3A1B6) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Mouse IgG(H+L).