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anti-PKC alpha antibody (N-Term)





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Target:

Quantity:	400 μL
Target:	PKC alpha (PKCa)
Binding Specificity:	AA 75-103, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKC alpha antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow
	Cytometry (FACS), Immunofluorescence (IF)
Product Details	
Immunogen:	This PRKCA antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 75-103 amino acids from the N-terminal region of human PRKCA.
Clone:	RB20769
Isotype:	Ig Fraction
Predicted Reactivity:	B, Rb, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by
	dialysis against PBS.
Target Details	

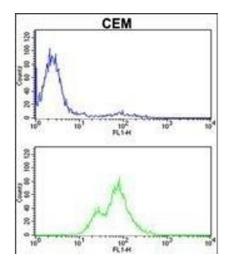
PKC alpha (PKCa)

Target Details

Alternative Name:	PRKCA (PKCa Products)
Background:	PRKCA is a calcium-activated, phospholipid-dependent, serine-and threonine-specific enzyme. It may play a role in cell motility by phosphorylating CSPG4. 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.
Molecular Weight:	76750
Gene ID:	5578
NCBI Accession:	NP_002728
UniProt:	P17252
Pathways:	WNT Signaling, TCR Signaling, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Thyroid Hormone Synthesis, cAMP Metabolic Process, Myometrial Relaxation and Contraction, Cell-Cell Junction Organization, Regulation of G-Protein Coupled Receptor Protein Signaling, G- protein mediated Events, Signaling Events mediated by VEGFR1 and VEGFR2, Interaction of EGFR with phospholipase C-gamma, Thromboxane A2 Receptor Signaling, VEGFR1 Specific Signals, VEGF Signaling

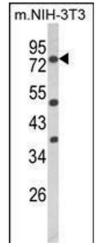
Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50		
Restrictions:	For Research Use only		
Handling			
Format:	Liquid		
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.		
Preservative:	Sodium azide		
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.		
Storage:	4 °C,-20 °C		
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in sma aliquots to prevent freeze-thaw cycles.		
Expiry Date:	6 months		



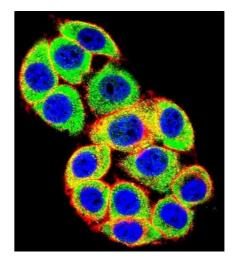
Flow Cytometry

Image 1. PRKCA Antibody (N-term) (ABIN652517 and ABIN2842346) flow cytometric analysis of CEM cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of PRKCA Antibody (N-term) (ABIN652517 and ABIN2842346) in mouse NIH-3T3 cell line lysates (35 μ g/lane). PRKCA (arrow) was detected using the purified Pab.



Immunofluorescence

Image 3. Confocal immunofluorescent analysis of PRKCA Antibody (N-term) (ABIN652517 and ABIN2842346) with Hela cell followed by Alexa Fluor 488-conjugated goat antirabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).DI was used to stain the cell nuclear (blue).

Please check the product details page for more images. Overall 4 images are available for ABIN652517.