

PKC $\delta$  (Phospho-Ser645) Conjugated Antibody

Catalog No: #C11296



Package Size: #C11296-AF350 100ul #C11296-AF405 100ul #C11296-AF488 100ul  
 #C11296-AF555 100ul #C11296-AF594 100ul #C11296-AF647 100ul  
 #C11296-AF680 100ul #C11296-AF750 100ul #C11296-Biotin 100ul

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## Description

Product Name	PKC $\delta$ (Phospho-Ser645) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Rt
Specificity	The antibody detects endogenous level of PKC $\delta$ only when phosphorylated at serine 645.
Immunogen Description	Peptide sequence around phosphorylation site of serine 645 (R-L-S(p)-Y-S) derived from Human PKC $\delta$ .
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	KPCD;PKC-delta; PRKCD;kinase PKC-delta;nPKC-delta
Accession No.	Swiss-Prot#:Q05655NCBI Gene ID:5580NCBI mRNA#:NM_006254.3 NCBI Protein#:NP_006245.2
Uniprot	Q05655
GeneID	5580;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	78
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Product Description

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Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

## Background

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This is 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. May play a role in antigen-dependent control of B-cell function. Phosphorylates MUC1 in the C-terminal and regulates the interaction between MUC1 and beta-catenin.

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Note: This product is for in vitro research use only