Datasheet for ABIN5557402

anti-PRKCA beta 2 antibody (pThr638, pThr641) (AbBy Fluor® 680)

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Overview

Quantity:	100 µL
Target:	PRKCA beta 2
Binding Specificity:	pThr638, pThr641
Reactivity:	Human, Mouse, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKCA beta 2 antibody is conjugated to AbBy Fluor® 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human PKC alpha/beta II around the phosphorylation site of Thr638/641
Isotype:	IgG
Cross-Reactivity:	Dog, Mouse, Rat
Predicted Reactivity:	Human,Cow,Horse,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	PRKCA beta 2

Target Details

Alternative Name:	PKC alpha/beta II (PRKCA beta 2 Products)
Background:	Synonyms: AAG6, PKCA, PRKACA, PKC-alpha, Protein kinase C alpha type, PKC-A, PRKCA Background: Protein Kinase c alpha (PKC alpha) is an 77 kDa member of the conventional group (cPKCs: sensitive to calcium, diacylglycerol, phosphatidylserine and phorbol esters) of the PKC family of serine/ threonine kinases that are involved in a wide range of physiological processes including mitogenesis, cell survival and transcriptional regulation. PKC alpha is an ubiquitously expressed PKC isozyme that has been implicated in the regulation of a broad range of cellular functions including proliferation, differentiation, development, migration, cell cell adhesion, cell extracellular matrix adhesion, and solute transport. The activation loop threonine (threonine 497 in PKC alpha) of conventional PKCs is phosphorylated by phosphoinositide dependent kinase 1 (PDK1). This phosphorylation is necessary for the autophosphorylation of threonine 638 in the carboxy terminus of PKC alpha, a step that is critical for regulating the rate of PKC alpha dephosphorylation and inactivation.
Gene ID:	5578
UniProt:	P17252

Application Details

Application Notes:	IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months