Datasheet for ABIN5009167

anti-PRKACB antibody (pThr198) (AbBy Fluor® 680)

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Overview

Quantity:	100 µL
Target:	PRKACB
Binding Specificity:	pThr198
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKACB antibody is conjugated to AbBy Fluor® 680
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human PRKACB around the phosphorylation site of Thr198
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Dog,Cow,Pig,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	PRKACB

Target Details

Alternative Name:	PRKACB (PRKACB Products)
Background:	Synonyms: PKA alpha + betaThr198, C alpha, cAMP dependent protein kinase beta catalytic subunit, cAMP dependent protein kinase alpha catalytic subunit, cAMP dependent protein kinase catalytic subunit alpha, cAMP dependent protein kinase catalytic subunit beta, Cs, PKA, PKA C, PKA C alpha, PKA C beta, PKACA, PKACB, PRKACA, PRKACB, Protein kinase cAMP dependent catalytic alpha, Protein kinase cAMP dependent catalytic beta, Protein kinase cAMP dependent catalytic beta isoform a, Protein kinase cAMP dependent catalytic beta isoform b. Background: PRKACA and PRKACB are members of the Ser/Thr protein kinase family and are a catalytic subunit of cAMP-dependent protein kinase. cAMP is a signaling molecule important for a variety of cellular functions. cAMP exerts its effects by activating the cAMP-dependent protein kinase, which transduces the signal through phosphorylation of different target proteins. The inactive kinase holoenzyme is a tetramer composed of two regulatory and two catalytic subunits. cAMP causes the dissociation of the inactive holoenzyme into a dimer of regulatory subunits bound to four cAMP and two free monomeric catalytic subunits.PKA alpha + beta (catalytic subunits) (phospho Thr198)
Gene ID:	5567
Pathways:	AMPK Signaling, Hedgehog Signaling, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Thyroid Hormone Synthesis, Myometrial Relaxation and Contraction, M Phase, G-protein mediated Events, Interaction of EGFR with phospholipase C-gamma, Lipid Metabolism

Application Details

Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 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.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months