Datasheet for ABIN2805367

anti-PRKACG antibody (AA 251-351) (AbBy Fluor® 594)

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Overview

Quantity:	100 µL
Target:	PRKACG
Binding Specificity:	AA 251-351
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKACG antibody is conjugated to AbBy Fluor® 594
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PKA gamma
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep,Pig,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	PRKACG
Alternative Name:	PKA gamma (PRKACG Products)
Background:	Synonyms: KAPG, PKA C gamma, PRKACG, Protein kinase cAMP dependent catalytic gamma,

Target Details

	Serine threonine protein kinase, KAPCG_HUMAN. Background: PKA (or cAPK) is a cyclic AMP dependent protein kinase. When activated by the second messenger cAMP, PKA mediates diverse cellular mechanisms, including proliferation, ion transport, regulation of metabolism, plus gene transcription. PKA is comprised of two dimers of two subunits, R (regulatory) and C (catalytic). Two families of R subunit (RI and RII) and three C subunit isoforms (C alpha, C beta, and C gamma) have been identified each possessing distinct cAMP binding properties and resulting in different phosphorylation states. C subunit is activated through autophosphorylation and direct phosphorylation at Thr197 by PDK-1. Tissue specific expression of C gamma, indicates pressure on C gamma during evolution, acting to modulate it in a functionally specific way. Certain amino acid substitutions make C gamma a distinct member of the cAMP dependent subfamily of protein kinases, and suggest that C gamma may be distinct in its protein substrate specificity or its interaction with the different regulatory subunits.
Gene ID:	5568
Pathways:	AMPK Signaling, Hedgehog Signaling, Thyroid Hormone Synthesis, 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
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C

Handling

Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

