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Datasheet for ABIN751813 **anti-PRKACG antibody (AA 251-351)**

Overview

Quantity:	100 µL
Target:	PRKACG
Binding Specificity:	AA 251-351
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKACG antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

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)

Target Details

Background:	<p>Synonyms: KAPG, PKA C gamma, PRKACG, Protein kinase cAMP dependent catalytic gamma, Serine threonine protein kinase, KAPCG_HUMAN.</p> <p>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.</p>
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:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 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:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % 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:	4 °C, -20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months