Datasheet for ABIN2786695

anti-PKC gamma antibody (N-Term)

2 Images

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Overview

Quantity:	100 µL
Target:	PKC gamma (PRKCG)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Rabbit, Dog, Guinea Pig, Horse, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKC gamma antibody is un-conjugated
Application:	Western Blotting (WB), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PRKCG
Sequence:	FVVHRRCHEF VTFECPGAGK GPQTDDPRNK HKFRLHSYSS PTFCDHCGSL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 85%
Characteristics:	This is a rabbit polyclonal antibody against PRKCG. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	PKC gamma (PRKCG)

Target Details

Alternative Name:	PRKCG (PRKCG Products)
Background:	Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and second messenger diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in d Alias Symbols: MGC57564, PKC-gamma, PKCC, PKCG, SCA14 Protein Interaction Partner: GFAP, EPHB1, ARHGEF25, TRIM5, RANBP10, RANBP9, SCN3A, HSPA4, ITGB2, HSP90AA1, GSK3A, CASR, Marcks, SDC2, APP, TOP2A, CCHCR1, IBTK, NOXA1, EXOC5, PICK1, DDX58, PRKCG, NFE2L2, UBC, OCLN, PARD6B, PPP1R14A, GRIN1, HABP4, AFAP1, MARK4, GABRA4, CHAT, PEBP1, PAR Protein Size: 697
Molecular Weight:	78 kDa
Gene ID:	5582
NCBI Accession:	NM_002739, NP_002730
UniProt:	P05129
Pathways:	WNT Signaling, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Thyroid Hormone Synthesis, Myometrial Relaxation and Contraction, G-protein mediated Events, Positive Regulation of Response to DNA Damage Stimulus, Interaction of EGFR with phospholipase C-gamma, Thromboxane A2 Receptor Signaling, VEGF Signaling

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 697 AA
Restrictions:	For Research Use only

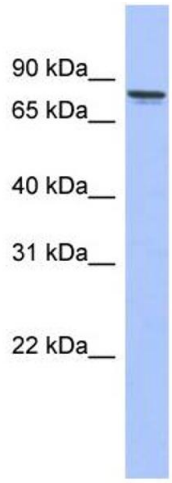
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

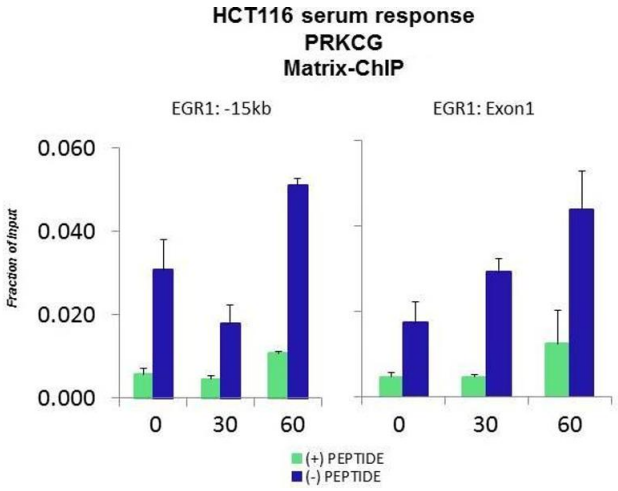


Western Blotting

Image 1. WB Suggested Anti-PRKCG Antibody Titration: 0.2-1 ug/ml

ELISA Titer: 1:1562500

Positive Control: Human Placenta



Chromatin Immunoprecipitation

Image 2. Quiescent human colon carcinoma HCT116 cultures were treated with 10 % FBS for three time points (0, 15, 30min) or (0, 30, 60min) were used in Matrix-ChIP and real-time PCR assays at EGR1 gene (Exon1) and 15kb upstream site.