

Rabbit PRKCG Polyclonal Antibody | anti-PRKCG antibody

PRKCG Rabbit Polyclonal Antibody

CATALOG # AAA314120	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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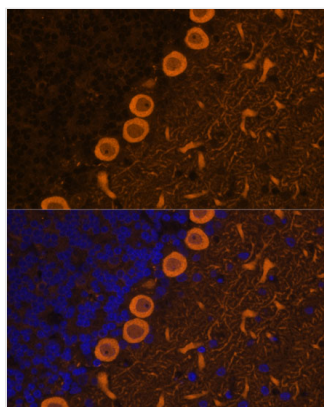
PRODUCT SYNONYMS

PRKCG; Polyclonal Antibody; PRKCG Rabbit Polyclonal Antibody; PKC-gamma; PKCC; PKCG; SCA14; anti-PRKCG antibody

PRODUCT SPECIFICATIONS

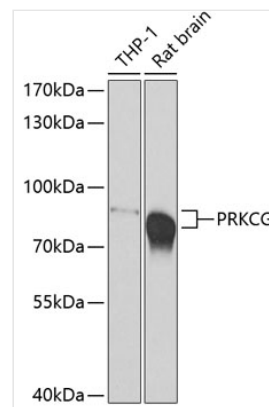
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-PRKCG antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthetic peptide of human PRKCG
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of rat brain cells using PRKCG at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PRKCG at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-PRKCG antibody	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 diverse cellular signaling pathways. PKC also serve as major receptors for phorbol esters, a class of tumor promoters. Each member of the PKC family has a specific expression profile and is believed to play distinct roles in cells. The protein encoded by this gene is one of the PKC family members. This protein kinase is expressed solely in the brain and spinal cord and its localization is restricted to neurons. It has been demonstrated that several neuronal functions, including long term potentiation (LTP) and long term depression (LTD), specifically require this kinase. Knockout studies in mice also suggest that this kinase may be involved in neuropathic pain development. Defects in this protein have been associated with neurodegenerative disorder spinocerebellar ataxia-14 (SCA14). Two transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-PRKCG antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	13384594
NCBI GeneID	5582
NCBI Accession #	NP_002730.1
NCBI GenBank Nucleotide #	NM_002739.3
UniProt Accession #	P05129
Molecular Weight	78,448 Da
NCBI Official Full Name	protein kinase C gamma type
NCBI Official Synonym Full Names	protein kinase C, gamma
NCBI Official Symbol	PRKCG
NCBI Official Synonym Symbols	PKCC; PKCG; SCA14; PKC-gamma
NCBI Protein Information	protein kinase C gamma type
UniProt Protein Name	Protein kinase C gamma type
UniProt Gene Name	PRKCG
UniProt Synonym Gene Names	PKCG; PKC-gamma
UniProt Entry Name	KPCG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.