

Rabbit PKC gamma Polyclonal Antibody | anti-PRKCG antibody

PKC gamma Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284040	Rabbit	Human, mouse (Predicted Reactivity: Monkey)	Immunohistochemistry, ELISA, Western Blot

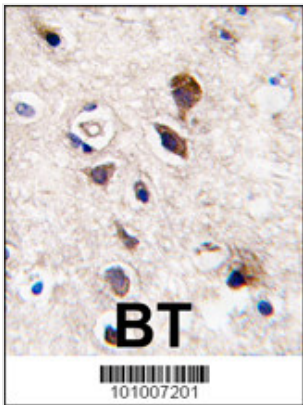
PRODUCT SYNONYMS

PKC gamma; Polyclonal Antibody; PKC gamma Antibody (C-term); Protein kinase C gamma type; PKC-gamma; PRKCG; PKCG; anti-PRKCG antibody

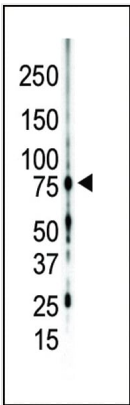
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PKC gamma antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 305-336 amino acids from the C-terminal region of human PKC gamma.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	305-336
Sequence Length	697
Applicable Applications for anti-PRKCG antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human brain tissue reacted with PKC gamma antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of anti-PKC gamma C-term Pab in mouse brain lysate. PKC gamma (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

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. PKC gamma 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).
Product Categories/Family for anti-PRKCG antibody	Cancer; Cardiovascular; Neuroscience; Signal transduction
References	Uchino, M., et al., J. Biol. Chem. 279(3):2254-2261 (2004). van de Warrenburg, B.P., et al., Neurology 61(12):1760-1765 (2003). Yabe, I., et al., Arch. Neurol. 60(12):1749-1751 (2003). Ananthanarayanan, B., et al., J. Biol. Chem. 278(47):46886-46894 (2003). Correia, S.S., et al., J. Biol. Chem. 278(8):6307-6313 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	13384594
NCBI GeneID	5582
NCBI Accession #	NP_002730.1
NCBI GenBank Nucleotide #	NM_002739.3
UniProt Accession #	P05129; B7Z8Q0
Molecular Weight	78448
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pkc-gamma-antibody-immunohistochemistry-western-blot-elisa/284040>