

For Research Use Only

PKC Gamma Monoclonal antibody, PBS Only



Catalog Number: 66429-1-PBS

Basic Information

Catalog Number: 66429-1-PBS	GenBank Accession Number: BC047876	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 5582	CloneNo.: 2F4B9
Source: Mouse	UNIPROT ID: P05129	
Isotype: IgG2a	Full Name: protein kinase C, gamma	
Immunogen Catalog Number: AG5910	Calculated MW: 78 kDa	
	Observed MW: 78 kDa	

Applications

Tested Applications:
Indirect ELISA, IF/ICC, IHC, WB

Species Specificity:
pig, rat, mouse, human

Background Information

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 gamma is a neuron-specific member of the classical PKCs and is activated and translocated to subcellular regions as a result of various stimuli, including diacylglycerol synthesis, increased intracellular Ca(2+) and phorbol esters. Defects in this protein have been associated with spinocerebellar ataxia type 14 (SCA14), an autosomal dominant neurodegenerative disease.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

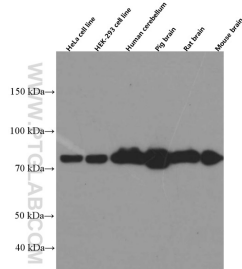
T: 4006900926

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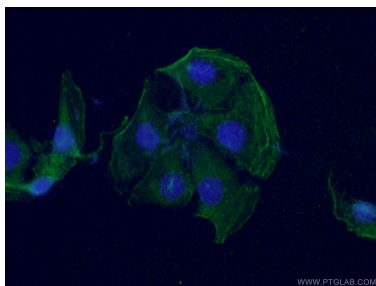
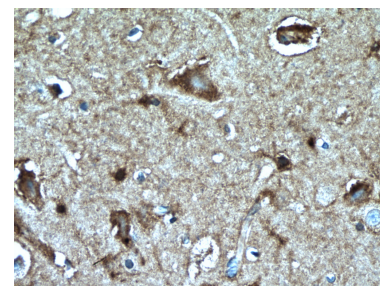
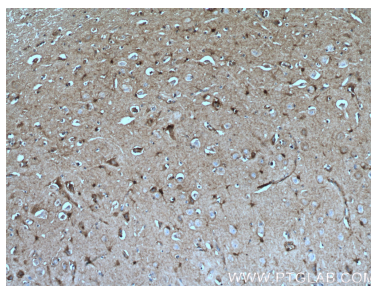
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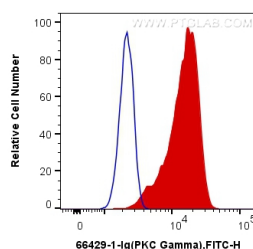
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66429-1-Ig (PKC gamma antibody at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66429-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using 66429-1-Ig(PKC gamma antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66429-1-PBS in a different storage buffer formulation.



1X10⁶ SH-SY5Y cells were intracellularly stained with 0.2 ug Anti-Human PKC Gamma (66429-1-Ig, Clone:2F4B9) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 66429-1-PBS in a different storage buffer formulation.