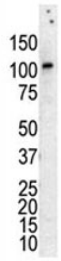
PKC nu Antibody (F50035)

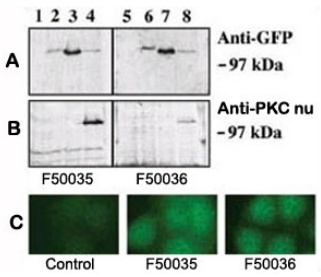
Catalog No.	Formulation	Size
F50035-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50035-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

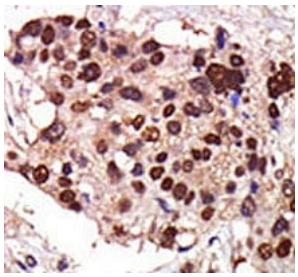
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	O94806
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100 Immunofluorescence : 1:50-1:100
Limitations	This PKC nu antibody is available for research use only.



Western blot analysis of PKC nu antibody in lysate of HL-60 cells stimulated with PMA.



A. Western blot analysis of GFP fusion protein expression in Panc-1 cells by using an anti-GFP antibody. Lanes 1 and 5: non-transfected cells; lanes 2 and 6: PKD-transfected cells; lanes 3 and 7: PKD2-transfected cells; lanes 4 and 8: PKC nu transfected cells. B. Western blot analysis of GFP fusion protein expression in Panc-1 cells by using PKC nu antibodies. C. Indirect immunofluorescence analysis of PKC nu fusion protein expression in Panc-1 cells. Data courtesy of Dr. Osvaldo Rey, University of California Los Angeles.



IHC analysis of FFPE human breast carcinoma tissue stained with the PKC nu antibody

Description

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 nu is one of the PKC family members. This kinase can be activated rapidly by the agonists of G protein-coupled receptors. It resides in both cytoplasm and nucleus, and its nuclear accumulation is found to be dramatically enhanced in response to its activation. This kinase can also be activated after B-cell antigen receptor (BCR) engagement, which requires intact phopholipase C gamma and the involvement of other PKC family members.

Application Notes

Titration of the PKC nu antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 352-384 from the human protein was used as the immunogen for this PKC nu antibody.

Storage

Aliquot the PKC nu antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.