Phospho-PKC zeta/lambda (Thr410/Thr412) Rabbit pAb

db21023 **Package : 20μL 50μL 100μL**

Product Name : Phospho-PKC zeta/lambda (Thr410/Thr412) Rabbit pAb
Cat.No.: db21023
Synonyms : PKCC; PKCG; SCA14; PKCI(3); PKCgamma; PKC-gamma
Application : WB, IHC
Reactivity : Human, Mouse, Rat
Host species : Rabbit

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 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. [provided by RefSeq, Oct 2015]
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Thr410 of human PKC zeta
Gene ID	5582, 5584, 5590
Swiss Prot	P05129, P41743, Q05513
Synonyms	PKCC; PKCG; SCA14; PKCI(3); PKCgamma; PKC-gamma
Reactivity	Human, Mouse, Rat
Application	WB, IHC
Recommended dilution	WB: 1:1000 IHC: 1:20
Calculated MW	68 kDa
Observed MW	76 kDa
Host species	Rabbit

Clonality	Polyclonal
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.