



PKC ϵ (phospho Ser729) rabbit pAb

Cat No.:ES6780

For research use only

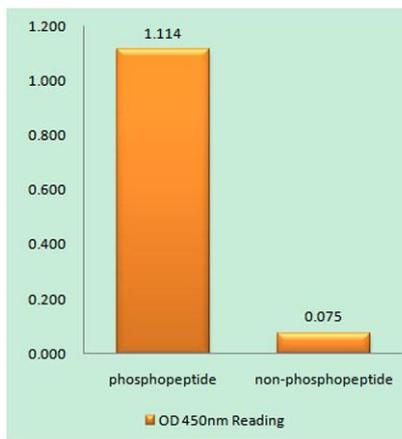
Overview

| | |
|---------------------------------|---|
| Product Name | PKC ϵ (phospho Ser729) rabbit pAb |
| Host species | Rabbit |
| Applications | WB;ELISA;IHC |
| Species Cross-Reactivity | Human;Mouse;Rat |
| Recommended dilutions | WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000 |
| Immunogen | The antiserum was produced against synthesized peptide derived from human PKC epsilon around the phosphorylation site of Ser729. AA range:688-737 |
| Specificity | Phospho-PKC ϵ (S729) Polyclonal Antibody detects endogenous levels of PKC ϵ protein only when phosphorylated at S729. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Storage | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| Protein Name | Protein kinase C epsilon type |
| Gene Name | PRKCE |
| Cellular localization | Cytoplasm . Cytoplasm, cytoskeleton . Cell membrane . Cytoplasm, perinuclear region . Nucleus . Translocated to plasma membrane in epithelial cells stimulated by HGF (PubMed:17603037). Associated with the Golgi at the perinuclear site in pre-passage fibro |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Clonality | Polyclonal |
| Concentration | 1 mg/ml |
| Observed band | 83kD |
| Human Gene ID | 5581 |
| Human Swiss-Prot Number | Q02156 |
| Alternative Names | PRKCE; PKCE; Protein kinase C epsilon type; nPKC-epsilon |
| Background | protein kinase C epsilon(PRKCE) Homo sapiens |

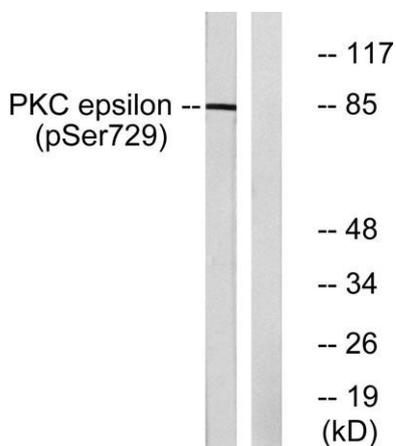




Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and the second messenger diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular signaling pathways. PKC family members 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 a distinct role in cells. The protein encoded by this gene is one of the PKC family members. This kinase has been shown to be involved in many different cellular functions, such as neuron channel activation, apoptosis, cardioprotection from ischemia, heat shock response, as well as insulin exocytosis. Knockout studies in mice suggest that this kinase is important for lipopolysaccharide (LPS)-mediated signaling in activated macro



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using PKC epsilon (Phospho-Ser729) Antibody

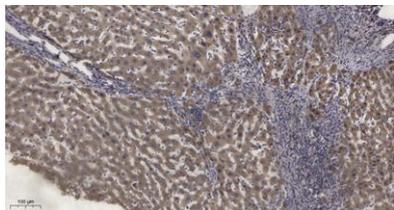


Western blot analysis of lysates from HeLa cells treated with PMA 125ng/ml 30', using PKC epsilon (Phospho-Ser729) Antibody. The lane on the right is blocked with the phospho peptide.





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Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).



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