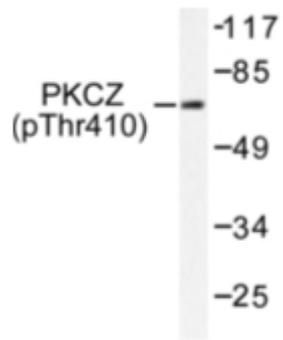


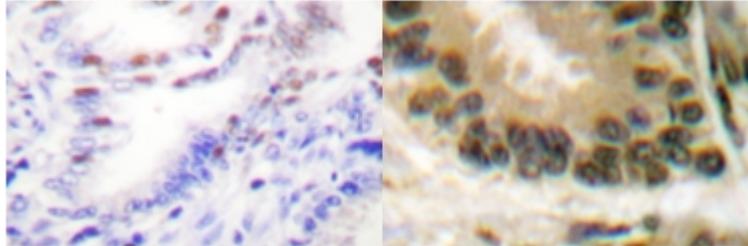
Polyclonal Antibody to PRKCZ pThr410 - Aff - Purified

Alternate names:	PKC zeta, PKC-zeta, PKC2, Protein kinase C zeta type, nPKC-zeta
Catalog No.:	AP01667PU-N
Quantity:	100 µg
Concentration:	1.0 mg/ml
Background:	<p>Members of the protein kinase C (PKC) family play a key regulatory role in a variety of cellular functions including cell growth and differentiation, gene expression, hormone secretion and membrane function. PKCs were originally identified as serine/threonine protein kinases whose activity was dependent on calcium and phospholipids. Diacylglycerols (DAG) and tumor promoting phorbol esters bind to and activate PKC. PKCs can be subdivided into at least two major classes including conventional (c) PKC isoforms (α, βI, βII and γ) and novel (n) PKC isoforms (δ, ϵ, ζ, η and θ). Patterns of expression for each PKC isoform differs among tissues and PKC family members exhibit clear differences in their cofactor dependencies. For instance, the kinase activities of nPKC δ and ϵ are independent of Ca^{++}. On the other hand, nPKC δ and ϵ, as well as all of the cPKC members, possess phorbol ester-binding activities and kinase activities.</p>
Uniprot ID:	Q05513
Host:	Rabbit
Format:	<p>State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE). Purification: Affinity Chromatography using epitope-specific immunogen. Buffer System: Phosphate buffered saline (PBS), pH~7.2 containing 0.05% Sodium Azide as preservative.</p>
Applications:	<p>ELISA: 1/10000-1/20000. Western Blot: 1/500-1/1000. Immunofluorescence: 1/50-1/200. Immunohistochemistry on Paraffin Sections: 1/50-1/200. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	<p>This antibody detects endogenous levels of PKCZ pThr410 protein. Species: Human, Mouse and Rat. Other species not tested.</p>
Add. Information:	Molecular Weight: ~70 kDa
Storage:	<p>Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: One year from despatch.</p>

Pictures:



Western blot (WB) analysis of PKCZ pThr410 antibody in extracts from NIH/3T3 cells.



Immunohistochemistry (IHC) analysis of PKCZ pThr410 antibody in paraffin-embedded human lungcarcinoma tissue.