

Product datasheet for **TA392640**

PKC zeta (PRKCZ) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000 IHC: 1:50~1:200 IP: 1:10~1:100
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic phosphopeptide derived from human PKC ζ around the phosphorylation site of Threonine 560.
Specificity:	p-PKC ζ (T560) polyclonal antibody detects endogenous levels of PKC ζ protein only when phosphorylated at Thr560
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 70 to 85 kDa
Gene Name:	protein kinase C zeta
Database Link:	Entrez Gene 5590 Human Q05513



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Background:

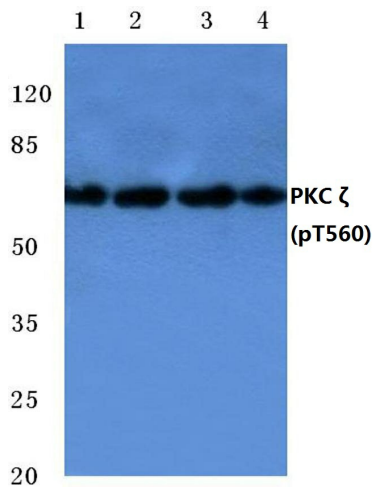
Members of the protein kinase C (PKC) family play a key regulatory role in a variety of cellular functions including cell growth and differentiation, gene expression, hormone secretion and membrane function. PKCs were originally identified as serine/threonine protein kinases whose activity was dependent 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 , β I, β II 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

Synonyms:

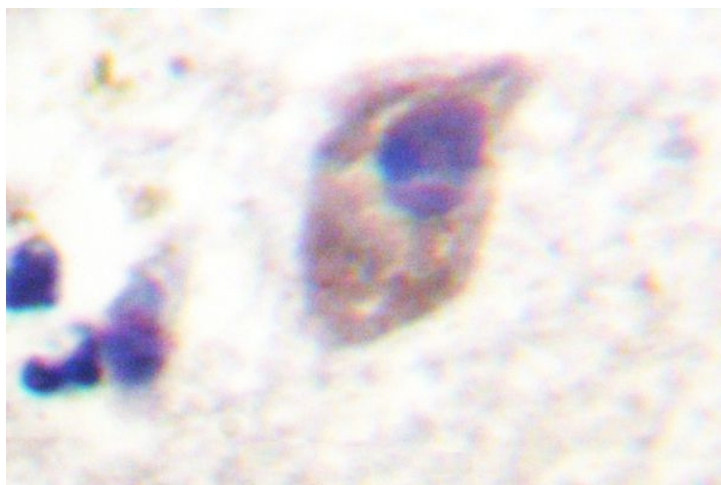
nPKC-zeta; PKC2; PKC zeta; PRKCZ; Protein kinase C zeta type

Note:

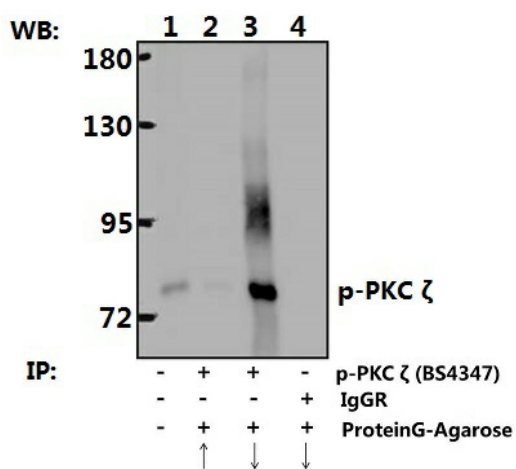
For research use only, not for use in diagnostic procedure.

Product images:

Western blot (WB) analysis of p-PKC ζ (T560) pAb at 1:500 dilution Lane1:The Brain tissue lysate of Mouse(40ug) Lane2:The Brain tissue lysate of Rat(40ug) Lane3:HEK293T whole cell lysate(20ug) Lane4:PC3 whole cell lysate(20ug)



Immunohistochemistry (IHC) analyzes of p-PKC ζ (T560) pAb in paraffin-embedded human brain tissue.



Immunoprecipitation of Brain tissue lysate of Rat using p-PKC ζ (T560) polyclonal antibody (Sepharose Bead Conjugate) #BD0048(lane 2 and lane 3) .Lane 1 is 30% input. The western blot was probed using p-PKC ζ (T560) #TA392640. "↑"supernatant,"↓(deposition"