Phospho-PKC alpha (T638) Rabbit mAb

Catalog No: #13428

Package Size: #13428-1 50ul #13428-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

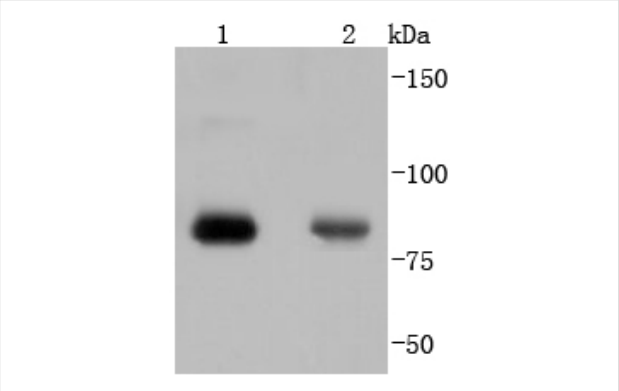
Description

Product Name	Phospho-PKC alpha (T638) Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	JF0964
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Thr638 of human PKC alpha.
Other Names	AAG6 antibody Aging associated gene 6 antibody aPKC antibody KPCA_HUMAN antibody PKC alpha antibody PKC-A antibody PKC-alpha antibody PKCA antibody PRKACA antibody PRKCA antibody Protein Kinase C alpha antibody Protein kinase C alpha type antibody
Accession No.	Swiss-Prot#:P17252
Uniprot	P17252
GeneID	5578;
Calculated MW	77 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

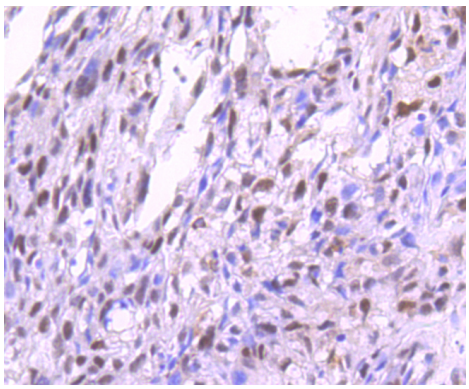
Application Details

WB: 1:1,000-5,000IHC: 1:50-1:500ICC: 1:50-1:500

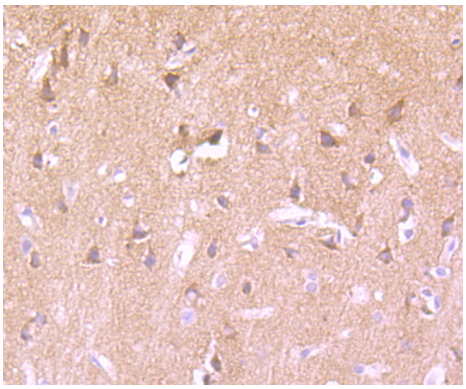
Images



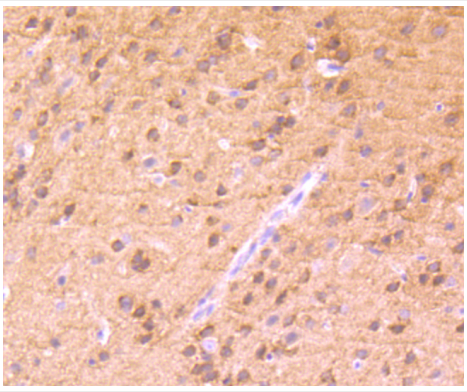
Western blot analysis of Phospho-PKC alpha(T638) on different lysates using anti-Phospho-PKC alpha(T638) antibody at 1/1,000 dilution. Positive control:
Lane 1: Hela
Lane 2: 293



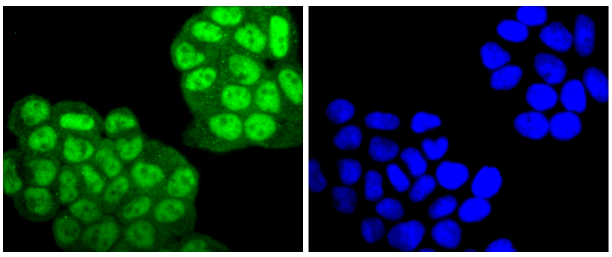
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-Phospho-PKC alpha(T638) antibody. Counter stained with hematoxylin.



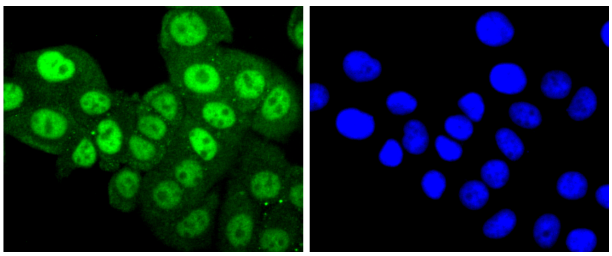
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Phospho-PKC alpha(T638) antibody. Counter stained with hematoxylin.



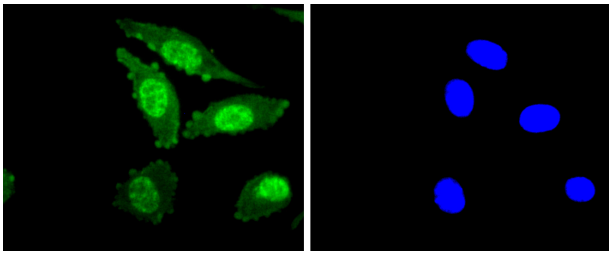
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-Phospho-PKC alpha(T638) antibody. Counter stained with hematoxylin.



ICC staining Phospho-PKC alpha(T638) in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Phospho-PKC alpha(T638) in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Phospho-PKC alpha(T638) in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

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 many different isoforms (α, βI, βII, γ, δ, ε, ζ, η, θ, λ/ι, μ and ν). Patterns of expression for each PKC isoform differ among tissues and PKC family members exhibit clear differences in their cofactor dependencies. For instance, the kinase activities of PKC δ and ε are independent of Ca2+. On the other hand, most of the other PKC members possess phorbol ester-binding activities and kinase activities.

References

Note: This product is for in vitro research use only