Recombinant Phospho-PKCα (Thr638) Monoclonal Antibody

catalog number: **AN300149L**

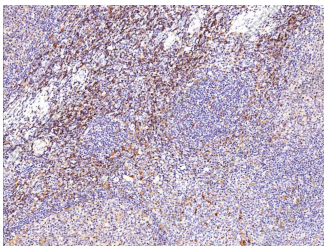
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

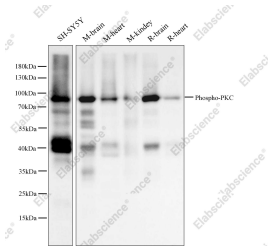
Reactivity	Human;Mouse;Rat
Immunogen	A synthetic phosphopeptide corresponding to residues around Thr638 of human Phospho-PKCα.
Host	Rabbit
Isotype	Rabbit IgG
Clone	C120109
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
WB:	1:2000-1:20000；IHC-P: 1:100-1:200

Data



Immunohistochemical analysis of paraffin-embedded Human tonsil tissue sections using Phospho-PKCα (Thr638) Antibody (AN300149L) at a dilution of 1:150 (10× lens). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0) for 20 min prior to IHC staining.



Western blot analysis of SH-SY5Y,Mouse brain,Mouse heart,Mouse kindey,Rat brain and Rat heart cell lysates using Phospho-PKCα (Thr638) Antibody (AN300149L) at a dilution of 1:3000.

Observed-MW:80 kDa

Calculated-MW:77 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

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 reported to play roles in many different cellular processes, such as cell adhesion, cell transformation, cell cycle checkpoint, and cell volume control. Knockout studies in mice suggest that this kinase may be a fundamental regulator of cardiac contractility and Ca(2+) handling in myocytes. [provided by RefSeq, Jul 2008]

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