Recombinant Phospho-PKCα (Thr638) Monoclonal Antibody

catalog number: AN300149L

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

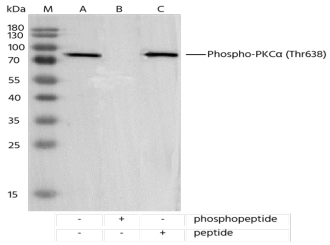
Description

Reactivity	Human
Immunogen	A synthetic phosphopeptide corresponding to residues around Thr638 of human Phospho-PKCα.
Host	Rabbit
Isotype	IgG
Clone	4B15
Purification	Protein A
Buffer	10 mM sodium HEPES, 150 mM NaCl, 100 μg/mL protein protectant, 50% glycerol, pH 7.5

Applications — Recommended Dilution

WB	1:1000-1:5000

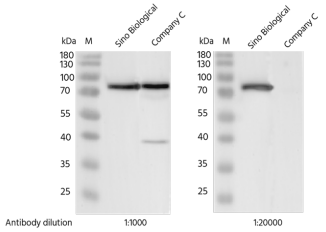
Data



Western blot analysis of extracts from HEK-293, untreated (line A); treated with antigen-specific phosphopeptide (line B) or antigen-specific peptide (line C) using Phospho-PKCα (Thr638) Monoclonal Antibody at 1:1000 dilution.

Observed-MW:76 kDa

Calculated-MW:80 kDa



Western blot analysis of extracts from HEK-293, using Phospho-PKCα (Thr638) Monoclonal Antibody and other brands' antibodies (Company C) at dilution of 1:1000 and 1:20000.

Observed-MW:76 kDa

Calculated-MW:80 kDa

Preparation & Storage

Storage	This antibody can be stored at 2℃-8℃ for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20℃ to -80℃. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web:www.elabscience.com
Email:techsupport@elabscience.com

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.

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web:www.elabscience.com
Email:techsupport@elabscience.com