



Rabbit Anti-Human PKC lambda/ iota monoclonal antibody, clone G.700.6 (CABT-L1545)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody is not cross-reactive with other PKC isoforms.
Target	Lambda; PRKCI
Immunogen	Synthetic peptide corresponding to human PKC lambda/ iota. The antigen is derived from the C-terminal of human PKC iota
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Non-human primate, Rat
Clone	G.700.6
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	FC, WB
Format	Liquid
Size	100 µl
Buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
Preservative	See individual product datasheet

BACKGROUND

Introduction

This gene encodes a member of the protein kinase C (PKC) family of serine/threonine protein kinases. The PKC family comprises at least eight members, which are differentially expressed and are involved in a wide variety of cellular processes. This protein kinase is calcium-independent and phospholipid-dependent. It is not activated by phorbol esters or diacylglycerol. This kinase can be recruited to vesicle tubular clusters (VTCs) by direct interaction with the small GTPase RAB2, where this kinase phosphorylates glyceraldehyde-3-phosphate dehydrogenase (GAPD/GAPDH) and plays a role in microtubule dynamics in the early secretory pathway. This kinase is found to be necessary for BCL-ABL-mediated resistance to drug-induced apoptosis and therefore protects leukemia cells against drug-induced apoptosis. There is a single exon pseudogene mapped on chromosome X.

Keywords

aPKC-lambda/ iota; Atypical protein kinase C-lambda/ iota; nPKC- iota; PRKC-lambda/ iota; Protein kinase C iota type; protein kinase C, iota; protein kinase C, lambda
