



Anti-PRKCE monoclonal antibody, clone 4G20 (CABT-ZC1262)

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

PRODUCT INFORMATION

Product Overview	Mouse Monoclonal Antibody to Human PRKCE molecule
Antigen Description	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 shown to be involved in many different cellular functions, such as neuron channel activation, apoptosis, cardioprotection from ischemia, heat shock response, as well as insulin exocytosis. Knockout studies in mice suggest that this kinase is important for lipopolysaccharide (LPS)-mediated signaling in activated macrophages and may also play a role in controlling anxiety-like behavior.
Target	PRKCE
Immunogen	Full length human recombinant protein of human PRKCE produced in HEK293T cell.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	4G20
Conjugate	Unconjugated
Applications	ELISA, LMNX

Procedure	Matched Antibody Pairs
Buffer	Stored in PBS (pH 7.4) containing 0.05% sodium azide and up to 5% trehalose.
Preservative	0.05% Sodium Azide
Storage	Shipped at 4 °C. Upon delivery store at -20 °C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

GENE INFORMATION

Entrez Gene ID	5581
UniProt ID	Q02156