

Datasheet

PRKCA monoclonal antibody (M01), clone 2F11

Catalog Number: H00005578-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant PRKCA.

Clone Name: 2F11

Immunogen: PRKCA (NP_002728, 563 a.a. ~ 672 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

KEAVSICKGLMTKHPAKRLGCGPEGERDVREHAFFRR
IDWEKLENREIQPPFKPKVCGKGAENFDKFFTRGQPV
LTPDQLVIANIDQSDFEGFSYVNPQFVHPILQSAV

Host: Mouse

Reactivity: Human

Applications: ELISA, IF, IHC-P, PLA-Ce, S-ELISA, WB-Ce, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG1 Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 5578

Gene Symbol: PRKCA

Gene Alias: AAG6, MGC129900, MGC129901, PKC-alpha, PKCA, PRKACA

Gene Summary: 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]