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PKC (AB2366) mouse mAb

W0167

Key Features

Host Species
• Mouse

Reactivity
• Human; Mouse; Rat; Rabbit; Bovin;

Applications
• WB; IF; ELISA

MW
• kDa (calculated)
• 80 kDa (observed)

Isotype
• IgG

Recommended Dilution Ratios

Application	Dilution
WB; IF; ELISA	WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions	Store at-20℃. Avoid freeze / thaw cycles.
Storage buffer	The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality	Monoclonal
Clone Number	AB2366
Immunogen	A synthetic peptide corresponding to the amino acid region 450 - 550 of the human PKC protein.
Specificity	This antibody detects endogenous levels of PKC protein.
Purification	Affinity purification Protein A
Concentration	Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name	PRKCA PRKCB
Protein Name	PKC

Database Link	**Organism**	**Swiss Prot.**	**Gene ID**
	Human	P17252; P05771; P24723;	5578

Background **protein kinase C alpha (PRKCA) Homo sapiens 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+)**

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