PRKACA Mouse mAb

E222209855

Swiss-Prot No.:	P17612
Alternname:	PRKACA
Storage/Stability:	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Immunogen:	Purified recombinant fragment of human PRKACA (AA: 1-120) expressed in E. Coli.
Purification:	Affinity purified
Reactivity:	Human
Other Names:	PKACA
Background:	cAMP is a signaling molecule important for a variety of cellular functions. cAMP exerts its effects by activating the cAMP-dependent protein kinase, which transduces the signal through phosphorylation of different target proteins. The inactive kinase holoenzyme is a tetramer composed of two regulatory and two catalytic subunits. cAMP causes the dissociation of the inactive holoenzyme into a dimer of regulatory subunits bound to four cAMP and two free monomeric catalytic subunits. Four different regulatory subunits and three catalytic subunits have been identified in humans. The protein encoded by this gene is a member of the Ser/Thr protein kinase family and is a catalytic subunit of cAMP-dependent protein kinase. Alternatively spliced transcript variants encoding distinct

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	isoforms have been observed.
Gene ID:	5566
Cellular localization:	Cell membrane, Cell projection, Cilium, Cytoplasm, Cytoplasmic vesicle, Flagellum, Membrane, Mitochondrion, Nucleus
Source:	Mouse
Antibody type:	Monclonal antibody
Isotype:	Mouse IgG1
Molecular Weight:	40.6kDa
Preservative:	Purified antibody in PBS with 0.05% sodium azide.
Recommended Dilutions:	WB: 1/500 - 1/2000; IHC: N/A; ICC: N/A; FCM: N/A; Elisa: 1/10000
Clone Number:	7H3A4