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PKA alpha/beta/gamma CAT

货号: ABY1292

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB IHC ICC/IF
推荐浓度	**WB:** 1:500-1:2000, IHC 1:50-1:200
理论分子量	41kDa/41kDa/40kDa
实测分子量	43KD
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.5.
偶联物	Unconjugated
阳性对照	293T,HeLa,C6
细胞定位	Cytoplasm, Cell projection, cilium, flagellum, Cytoplasm . Cell
纯化	亲和纯化

抗原信息

抗原信息	

靶点信息

研究背景	[Isoform 2]: Phosphorylates and activates ABL1 in sperm flagellum to promote spermatozoa capacitation. . Mediates cAMP-dependent signaling triggered by receptor binding to GPCRs (PubMed:12420224, PubMed:21423175, PubMed:31112131). PKA activation regulates diverse cellular processes such as cell proliferation, the cell cycle, differentiation and regulation of microtubule dynamics, chromatin condensation and decondensation, nuclear envelope disassembly and reassembly, as well as regulation of intracellular transport mechanisms and ion flux (PubMed:12420224, PubMed:21423175). Regulates the abundance of compartmentalized pools of its regulatory subunits through phosphorylation of PJA2 which binds and ubiquitinates these subunits, leading to their subsequent proteolysis (PubMed:12420224, PubMed:21423175). Phosphorylates GPKOW which regulates its ability to bind RNA (PubMed:21880142). Acts as a negative regulator of mTORC1 by mediating phosphorylation of RPTOR (PubMed:31112131). . Phosphorylates a large number of substrates in the cytoplasm and the nucleus.
基因ID	5566, 5567, 5568
基因名	PRKACA, PRKACB, PRKACG
Swiss	P17612 (https://www.uniprot.org/uniprotkb/P17612/entry), P22694 (https://www.uniprot.org/uniprotkb/P22694/entry), P22612 (https://www.uniprot.org/uniprotkb/P22612/entry)
别名	cAMP dependent protein kinase alpha catalytic subunit; cAMP dependent protein kinase beta catalytic subunit; cAMP dependent protein kinase catalytic beta subunit isoform 4ab; cAMP dependent protein kinase catalytic subunit alpha; cAMP dependent protein kinase catalytic subunit alpha, isoform 1; cAMP dependent protein kinase catalytic subunit beta; cAMP-dependent protein kinase catalytic subunit alpha; KAPCA_HUMAN; PKA C alpha; PKA C beta; PKA C-alpha; PKACA; PKACB; PPNAD4; PRKACA; PRKACAA; PRKACB; Protein kinase A catalytic subunit alpha; Protein kinase A catalytic subunit; Protein kinase A catalytic subunit beta; Protein kinase, cAMP dependent, catalytic, alpha; Protein kinase, cAMP dependent, catalytic, beta; cAMP-dependent protein kinase catalytic beta subunit isoform 4ab; cAMP-dependent protein kinase catalytic subunit beta; KAPCB_HUMAN; PKA C beta; PKA C-beta; PKACB; Prkacb; protein kinase A catalytic subunit beta; Protein kinase cAMP dependent catalytic beta; cAMP-dependent protein kinase catalytic subunit gamma; KAPCG_HUMAN; KAPG; PKA C gamma; PKA C-gamma; PKACg; PRKACG; Protein kinase cAMP dependent catalytic gamma; Serine (threonine) protein kinase;

产品验证

实验步骤

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