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# PKA C-alpha (PRKACA) Rabbit pAb

货号: **AYP13083**

## 产品信息

反应	Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	<b>WB:</b> Capra hircus
应用	WB
推荐浓度	<b>WB:</b> 1:100 - 1:500
理论分子量	39kDa/40kDa
实测分子量	40KDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	PC-12,Mouse brain,Mouse heart,Rat heart
细胞定位	Cell membrane,Cell projection,Cytoplasm,Lipid-anchor,Membrane,Mitochondrion,Nucleus,cilium,flagellum
纯化	Affinity purification

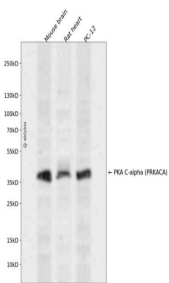
## 抗原信息

抗原信息	A synthetic peptide corresponding to a sequence within amino acids 250-351 of human PKA C-alpha (PRKACA) (NP_002721.1).
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## 靶点信息

研究背景	This gene encodes one of the catalytic subunits of protein kinase A, which exists as a tetrameric holoenzyme with two regulatory subunits and two catalytic subunits, in its inactive form. 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. cAMP-dependent phosphorylation of proteins by protein kinase A is important to many cellular processes, including differentiation, proliferation, and apoptosis. Constitutive activation of this gene caused either by somatic mutations, or genomic duplications of regions that include this gene, have been associated with hyperplasias and adenomas of the adrenal cortex and are linked to corticotropin-independent Cushing's syndrome. Alternative splicing results in multiple transcript variants encoding different isoforms. Tissue-specific isoforms that differ at the N-terminus have been described, and these isoforms may differ in the post-translational modifications that occur at the N-terminus of some isoforms.
基因ID	5566
基因名	PRKACA
Swiss	P17612 ( <a href="https://www.uniprot.org/uniprotkb/P17612/entry">https://www.uniprot.org/uniprotkb/P17612/entry</a> )
别名	PRKACA,PKACA,PPNAD4,PKA C-alpha (PRKACA) Rabbit pAb

## 产品验证



Western blot analysis of PKA C-alpha (PRKACA) expressed in Mouse brain, Rat heart, PC-12 using PKA C-alpha (PRKACA) Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

## 实验步骤

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