

兔抗 PRKAR1A 多克隆抗体

- 中文名称: 兔抗 PRKAR1A 多克隆抗体
- 英文名称: Anti-PRKAR1A rabbit polyclonal antibody
- 别 名: PRKAR1A; CAR; CNC; CNC1; DKFZp779L0468; MGC17251; PKR1; PPNAD1; PRKAR1; TSE1
- 相关类别: 一抗
- 储 存: 冷冻 (-20℃) 避光
- 宿 主: Rabbit
- 抗 原: PRKAR1A
- 反应种属: Human, Mouse, Rat
- 标记物: Unconjugate
- 克隆类型: rabbit polyclonal

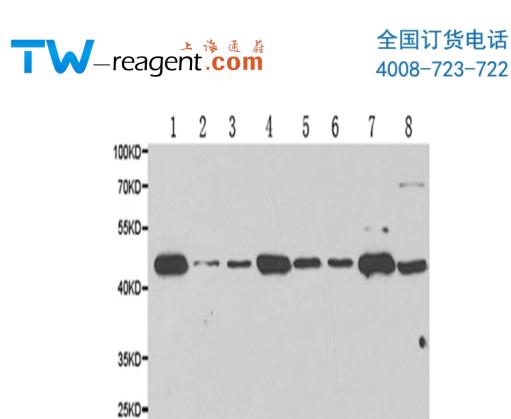
技术规格

| Background: | The second messenger cyclic AMP (cAMP) activates cAMP-d ependent protein kinase (PKA or cAPK) in mammalian cells and controls many cellular mechanisms such as gene transc ription, ion transport, and protein phosphorylation. Inactive PKA is a heterotetramer composed of a regulatory subunit (R) dimer and a catalytic subunit (C) dimer. In this inactive s tate, the pseudosubstrate sequences on the R subunits bloc k the active sites on the C subunits. Three C subunit isofor ms (C- α , C- β , and C- γ) and two families of regulatory subu nits (RI and RII) with distinct cAMP binding properties have been identified. The two R families exist in two isoforms, α and β (RI- α , RI- β , RII- α , and RII- β). Upon binding of cAMP |
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| | to the R subunits, the autoinhibitory contact is eased and a ctive monomeric C subunits are released. PKA shares substr ate specificity with Akt (PKB) and PKC, which are characteriz ed by an arginine at position -3 relative to the phosphoryla ted serine or threonine residue. Substrates that present this consensus sequence and have been shown to be phosphory lated by PKA are Bad (Ser155), CREB (Ser133), and GSK-3 (GSK-3 α Ser21 and GSK-3 β Ser9). In addition, combined kno ck-down of PKA C- α and - β blocks cAMP-mediated phosph orylation of Raf (Ser43 and Ser259). Autophosphorylation an d phosphorylation by PDK-1 are two known mechanisms re sponsible for phosphorylation of the C subunit at Thr197. |
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| Applications: | WB |
| Name of antibody: | PRKAR1A |
| Immunogen: | Fusion protein of human PRKAR1A |
| Full name: | protein kinase, cAMP-dependent, regulatory, type I, alpha |
| Synonyms : | PRKAR1A; CAR; CNC; CNC1; DKFZp779L0468; MGC17251; PK R1; PPNAD1; PRKAR1; TSE1 |
| SwissProt: | P10644 |
| WB Predicted band size: | 43 kDa |
| WB Positive control: | HeLa, CEM, A549, SW480, PC3, V251, HCTnb and heart tissu e |
| WB Recommended dilution: | 500-2000 |



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