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Phospho-PKA R2 (S99) Rabbit mAb

货号: AYM28428

产品信息

反应	Human,Mouse,Rat,Pig
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB IHC IP ICC/IF
推荐浓度	**WB:** 1:500 - 1:2000 **IHC:** 1:50 - 1:200 **IF/ICC:** 1:50 - 1:200 **IP:** 1:20 - 1:50
理论分子量	43kDa/45kDa
实测分子量	51kDa
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	HeLa,Jurkat,SW480,LO2,Mouse lung,Rat skeletal muscle
细胞定位	Cell membrane,Cytoplasm
纯化	Affinity purification

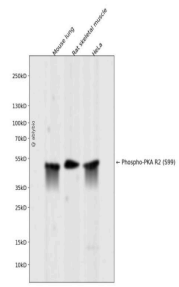
抗原信息

抗原信息	Recombinant fusion protein corresponding to Human Phospho-PKA R2 (S99).

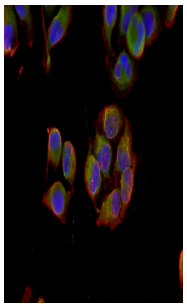
靶点信息

研究背景	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 one of the regulatory subunits. This subunit can be phosphorylated by the activated catalytic subunit. It may interact with various A-kinase anchoring proteins and determine the subcellular localization of cAMP-dependent protein kinase. This subunit has been shown to regulate protein transport from endosomes to the Golgi apparatus and further to the endoplasmic reticulum (ER).
基因ID	5576
基因名	PRKAR2A
Swiss	P13861 (https://www.uniprot.org/uniprotkb/P13861/entry)
别名	Phospho-PKA R2 (S99),Phospho-PKA R2 (S99) Rabbit mAb,PRKAR2A,PKR2,PRKAR2

产品验证



Western blot analysis of Phospho-PKA R2 (S99) expressed in Mouse lung,Rat skeletal muscle,HeLa using Phospho-PKA R2 (S99) Rabbit mAb 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.



The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab Phospho-PKA R2 (S99)Rabbit mAb and Rabbit actin for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat.The nuclear counter stain is DAPI.

实验步骤

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