GA_i-GTP

产品名称: $G\alpha_i$-GTP 小鼠单抗

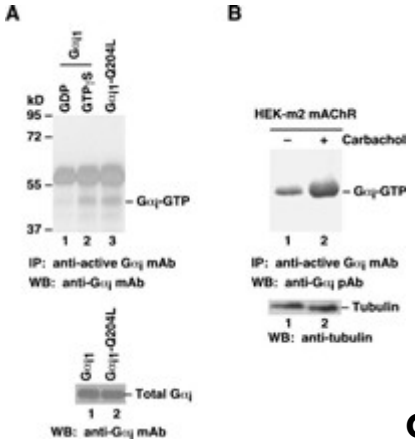
货号: 26901
基因符号: Gnai
描述: $G\alpha_i$-GTP 小鼠单抗

背景： Heterotrimeric G proteins are critical cellular signal transducers. $G\alpha_i$represents one sub-family of G proteins that could mediate the inhibition of adenylyl cyclases. Other biochemical and physiological functions of $G\alpha_i$ proteins are being explored.

免疫原: Recombinant full length protein of active $G\alpha_{i1}$

经过测试的应用: IP, IHC and IF (Not applicable for WB since WB denatures the GTPase)
推荐稀释比: IP: 1 µg for 1~2 mg total cellular proteinsIHC, IF: 1:50-1:250
Concentration: 1 mg/ml
种属反应性: Mouse
形式: Liquid
克隆性： Monoclonal
亚型: IgG1
纯化: Purified from ascites
Preservative: No

成分: PBS (without Mg^{2+} and Ca^{2+}), pH 7.4, 150 mM NaCl, 50% glycerol
种属反应性: active $G\alpha_i$ antibody recognizes active $G\alpha_{i1}$, $G\alpha_{i2}$, and $G\alpha_{i3}$ of vertebrates.
储存条件: Store at -20°C. Avoid repeated freezing and thawing



免疫沉淀/蛋白质印迹: **$G\alpha_i$ activation assay.A.** CHO cells were transfected with wild type $G\alpha_{i1}$ (lanes 1 and 2) or constitutively active $G\alpha_{i1}$-Q204L (lane 3). Cell lysates were treated with GDP(lane 1) or GTPγS (lane 3). Lysates were then incubated with an anti-active $G\alpha_i$ monoclonal antibody (货号:26901) (top panel). The precipitated active $G\alpha_i$ was immunoblotted with an anti-$G\alpha_i$ monoclonal antibody (货号: 26003). The bottom panel shows the Western blot with anti-$G\alpha_i$ monoclonal antibody (货号: 26003) of the cell lysates.**B.** HEK293 cells stably expressing human m2 mAChR were treated with (lane 2) or without (lane 1)carbachol. Cell lysates were then incubated with an anti-active $G\alpha_i$ monoclonal antibody (货号: 26901) (top panel).The precipitated active $G\alpha_i$ was immunoblotted with an anti-$G\alpha_i$ 兔多抗 (货号: 21006). The bottom panel shows the Western blot with anti-tubulin of the cell lysates.