

## GA<sub>i</sub>-GTP

产品名称: Gα<sub>i</sub>-GTP 小鼠单抗

货号: 26901

基因符号: Gnai

描述: Gα<sub>i</sub>-GTP 小鼠单抗

背景: Heterotrimeric G proteins are critical cellular signal transducers. Gα<sub>i</sub> represents one sub-family of G proteins that could mediate the inhibition of adenylyl cyclases. Other biochemical and physiological functions of Gα<sub>i</sub> proteins are being explored.

免疫原: Recombinant full length protein of active Gα<sub>i1</sub>

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 proteins IHC, 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

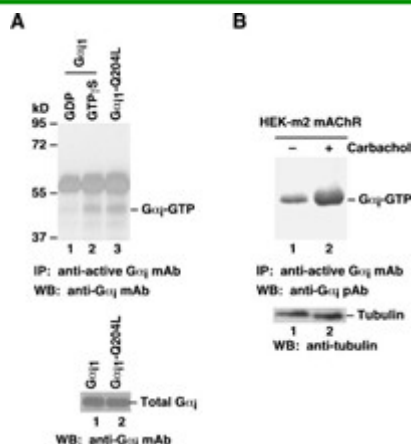
纯化: Purified from ascites

**Preservative:** No

成分: PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 50% glycerol

种属反应性: active Gα<sub>i</sub> antibody recognizes active Gα<sub>i1</sub>, Gα<sub>i2</sub> and Gα<sub>i3</sub> 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 $\alpha_{i11}$  (lanes 1 and 2) or constitutively active G $\alpha_{i11}$ -Q204L (lane 3). Cell lysates were treated with GDP (lane 1) or GTP $\gamma$ S (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.