

GA_i-GTP

产品名称: Gα_i-GTP 小鼠单抗

货号: 26901

基因符号: Gnai

描述: Gα_i-GTP 小鼠单抗

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

免疫原: Recombinant full length protein of active Gα_{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 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

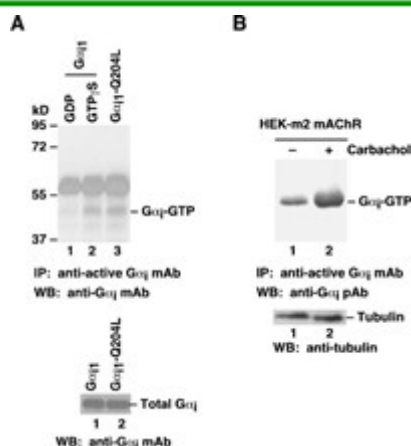
纯化: Purified from ascites

Preservative: No

成分: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 50% glycerol

种属反应性: active Gα_i antibody recognizes active Gα_{i1}, Gα_{i2} and Gα_{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 $G_{\alpha i}$ (lanes 1 and 2) or constitutively active $G_{\alpha i}$ -Q204L (lane 3). Cell lysates were treated with GDP (lane 1) or GTP γ 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.