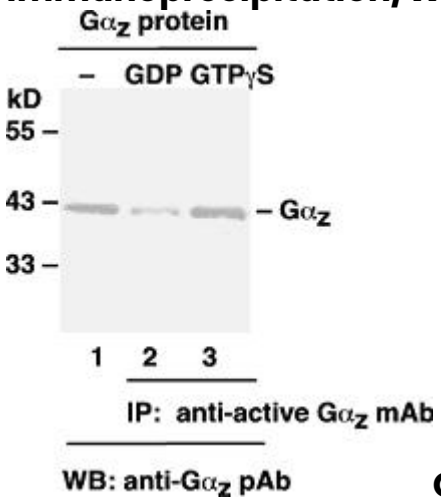
GA_Z-GTP

Anti-$G\alpha_z$GTP Mouse Monoclonal Antibody

Cat. #: 26908
Size: 30 µL
Gene Symbol: Gnaz
Description: Anti-$G\alpha_z$-GTP Mouse Monoclonal Antibody
Background: Heterotrimeric G proteins are critical cellular signal transducers. Gαz represents one sub-family of G proteins that could mediate the inhibition of adenylyl cyclases. Other biochemical and physiological functions of Gαz proteins are being explored.
Immunogen: Recombinant full length protein of active Gαz
Applications: IP, IHC and IF **(Not applicable for WB since WB denatures $G\alpha_z$ GTPase)**
Recommended Dilutions:
IP: 1 µg for 1~2 mg total cellular proteins
IHC, IF: 1:50-1:250
Concentration: 1 mg/ml
Host Species: Mouse
Format: Liquid
Clonality: Monoclonal
Isotype: IgG
Purity: Purified from ascites
Preservative: No
Constituents: PBS (without Mg^{2+} and Ca^{2+}), pH 7.4, 150 mM NaCl, 50% glycerol
Species Reactivity: Anti-Gαz-GTP monoclonal antibody recognizes active Gαz of vertebrates.
Storage Conditions: Store at -20°C. Avoid repeated freezing and thawing

Immunoprecipitation/Western blot:



$G\alpha_z$ activation assay.

Purified $G\alpha_z$ proteins were loaded as a control (lanes 1) or immunoprecipitated after treated with GDP (lane 2) or $GTP_\gamma S$ (lane 3). Immunoprecipitation was done with the anti-$G\alpha_z$-GTP monoclonal antibody (Cat. No. 26908). Immunoblot was with an anti-$G\alpha_z$ polyclonal antibody.