

## Active G $\alpha_o$

**Catalog Number:** 26907

**Gene Symbol:** Gnao

**Description:** Anti-Active G $\alpha_o$  Mouse Monoclonal Antibody

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

**Immunogen:** Recombinant full length protein of active G $\alpha_o$

**Tested applications:** IP, IHC

**Recommended dilutions:**

1  $\mu$ g for 1~2 mg total cellular proteins for IP;

1:100 dilution for IHC

**Concentration:** 1 mg/ml

**Host:** mouse

**Clonality:** Monoclonal

**Isotype:** IgG

**Purity:** Purified from ascites

**Format:** Liquid

**Storage buffer:**

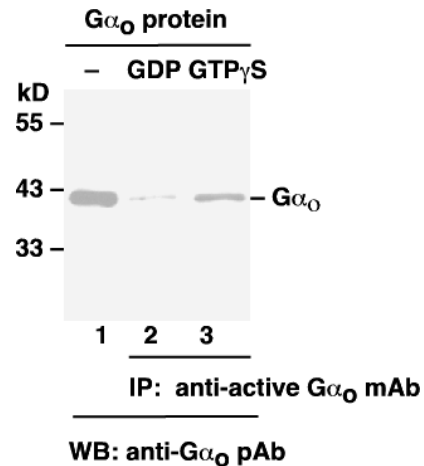
Preservative: no

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

**Species Reactivity:** Anti-active G $\alpha_o$  antibody recognizes active G $\alpha_o$  of vertebrates.

**Storage Conditions:** Store at -20°C. Avoid freeze / thaw cycles

## Immunoprecipitation/Western blot



G $\alpha_o$  activation assay. Purified G $\alpha_o$  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-active G $\alpha_o$  monoclonal antibody (Cat. No. 26907). Immunoblot was with an anti-G $\alpha_o$  polyclonal antibody (Cat. No. 21015).

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