

## GAI MAB

### Gα<sub>i</sub> Monoclonal Antibody

**Cat. #:** 26003

**Gene Symbol:** Gnai

**Description:** Anti-Gα<sub>i</sub> Mouse Monoclonal Antibody

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

**Immunogen:** Recombinant full length protein of Gα<sub>i1</sub>

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** ELISA 1:1000-1:5000, WB 1:1000-1:2000, IHC 1:100-1:200

**Concentration:** 1 mg/ml

**Host Species:** Mouse

**Format:** Liquid

**Clonality:** Monoclonal

**Isotype:** IgG

**Purity:** Purified from ascites

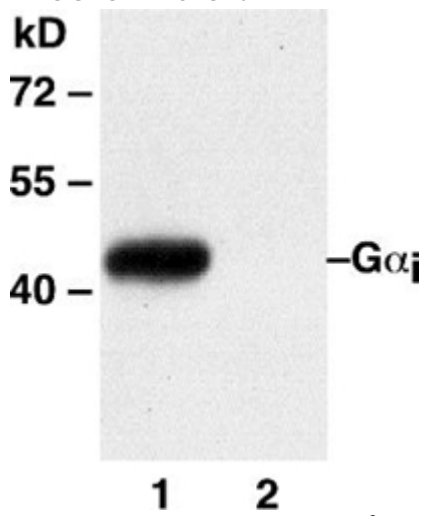
**Preservative:** No

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

**Species Reactivity:** Gα<sub>i</sub> antibody recognizes Gα<sub>i1</sub>, Gα<sub>i2</sub>, and Gα<sub>i3</sub> of vertebrates

**Storage Conditions:** Store at -20°C. Avoid repeated freezing and thawing

## Western blot:



**Western blot analysis of Gi proteins.**  $G\alpha_{i1}$  plasmid DNA was transiently transfected into HEK-293 cells. Whole-cell lysate was used for western blots. The monoclonal anti- $G\alpha_i$  antibody was pre-incubated without (lane 1) or with (lane 2) the antigen protein ( $G\alpha_{i1}$ ) to show the specificity.