

**Antibody to rat Gi alpha2**  
MOUSE MONOCLONAL

**Catalog Number:** AB-V23  
**Quantity:** 100 micrograms  
**Format:** PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4), no preservative.  
**Host:** Mouse  
**Clone:** 5C11  
**Immunogen:** rat Gi alpha2

**Background:** Heterotrimeric G proteins are composed of three subunits:  $G\alpha$ ,  $G\beta$ , and  $G\gamma$ , and transmit signals from activated G protein-coupled receptors (GPCRs) to intracellular pathways. The  $G\alpha$  subunit exists in several subtypes, including Gi, Go, Gz, and Gt, which are collectively involved in modulating downstream signaling. GNAI2 encodes the alpha-2 subunit of the Gi class in humans. Gi proteins are known to inhibit adenylate cyclase activity in response to hormonal signals and may also participate in regulating cell division.

**Specificity & Preparation:** IgG1 mouse antibody generated against rat Gi alpha2 and recognizes rodent and human homologs.

**Usage:** Applications include western blot. Working dilutions must be determined by end user.

**Storage:** Store antibody at  $-20^{\circ}\text{C}$  for one year. Avoid repeated freezing and thawing. Gently spin down material 5-10 seconds in a microfuge before use.

*To view protocol(s) for this and other products please visit: [www.ATSBio.com/library/protocols](http://www.ATSBio.com/library/protocols)*