

## Gα i2 Polyclonal Antibody

<b>CATALOG NO:</b>	3249-30T	30 µg (Trial size)
	3249-100	100 µg
<b>HOST:</b>	Rabbit	
<b>IMMUNOGEN:</b>	Synthetic peptide surrounding amino acid 229 of human Gαi2 (Internal ID# BV-D24G)	
<b>SPECIES REACTIVITY:</b>	Human, Mouse, Rat	

### FORMULATION:

0.5 mg/ml affinity-purified rabbit anti-Gαi2 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5mM EDTA, 0.01% thimerosal

### STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

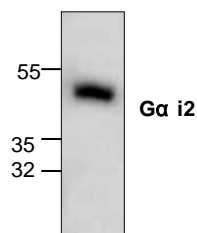
### BACKGROUND DESCRIPTION:

Gα i2 is a 40-41 kDa alpha-subunit of heterotrimeric protein that shares sequence homology with Gα i3 and Gα i1. All these G proteins can be ADP-ribosylated at the carboxy terminal Cys of the CAAX sequence, interfering with receptor coupling. Gα i2 is expressed widely in tissues and cell lines. Activation of PLC-β by Gα i-coupled receptors is the result of release of Gβ γ subunits from Gα i. Gα i2 regulates potassium channel activation. Mutation at Arg<sup>179</sup> has been identified in tumors. This and the Q205L mutant inhibit adenyl cyclase.

**SPECIFICITY:** The antibody detects Gα i2. It also cross-reacts with Gα i1 and Gα i3.

### APPLICATION AND USAGE:

The antibody can be used for Western blot (at 0.5-4 µg/ml) and immunoprecipitation. However, the optimal conditions should be determined individually. Other applications have not been determined. Blocking peptide (Cat.#: 3249BP-50) is available separately.



**Cat.#: 3249-100**  
Western blot analysis of  
Gα i2 expression in 3T3  
cell lysate

**FOR RESEARCH USE ONLY! Not to be used on humans.**

### RELATED PRODUCTS:

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