

**MOUSE ANTI-G<sub>i</sub>α-2  
MONOCLONAL ANTIBODY**

<b>CATALOG NUMBER:</b>	MAB3077
<b>LOT NUMBER:</b>	
<b>QUANTITY:</b>	100 μg
<b>CONCENTRATION:</b>	1 mg/mL
<b>SPECIFICITY:</b>	G <sub>i</sub> α-2. Strong reactivity with bovine (100%), mouse (69%), rat (69%), human (62%) and guinea pig (43%). Specificity confirmed by Western blot versus bovine Gαt, rat Gαα, rat G <sub>i</sub> α-1, G <sub>i</sub> α-2, rat G <sub>i</sub> a-3, bovine Gsα, and murine GαA and GαB.
<b>IMMUNOGEN:</b>	Recombinant G <sub>i</sub> α-2, purified by the method of Linder (J. Biol. Chem. [1990] 265, 8243).
<b>ISOTYPE:</b>	IgG <sub>2b</sub>
<b>CLONE:</b>	L5
<b>APPLICATIONS:</b>	Western blot 1:500 - 1:1000, with detection by <sup>125</sup> I-labeled anti-IgG. Labels a single protein band of 39 - 42 kDa in bovine and rat membranes. Optimal working dilutions must be determined by end user.
<b>FORMAT:</b>	Purified immunoglobulin, in 0.02M phosphate buffer, 0.25M sodium chloride, pH 7.6, with 0.1% sodium azide.
<b>STORAGE/HANDLING:</b>	Maintain at 2-8°C.
<b>REFERENCE:</b>	Li, X., Mumby, S., Greenwood, A., and Jope, R. "Pertussis Toxin-Sensitive G-Protein α-Subunits: Production of Monoclonal Antibodies and Detection of Differential Increases Upon Differentiation of PC12 and LA-N-5 Cells" (1995) J. Neurochem. <b>64</b> , 1107.

**Important Note:** *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

In general, the following secondary antibodies can be used with this primary antibody:

Immunoblotting - Rabbit anti-Mouse IgG, F(Ab')<sub>2</sub>, Peroxidase (AQ160P)

Immunoblotting - Rabbit anti-Mouse IgG, F(Ab')<sub>2</sub>, Alkaline Phosphatase (AQ160A)

CHEMICON has a complete listing of our affinity purified second antibodies and conjugates listed in our Immunological Reagents Catalog. CHEMICON Technical Service would be happy to assist you in selecting an appropriate antibody for your system. Call our Technical Service Department for additional information now at 1-800-437-7500.

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