



**Anti G Protein: Ga i3 (105-127) (Human) Serum**  
**Cat. No. YII-YP071-EX      Lot No. 4581125**

**Description:** This antiserum was raised in a rabbit by immunization with a carrier free synthetic G protein: Ga i3 (105-127) (human) fragment. The product vial contains 50µL of the titled serum obtained by lyophilizing its 0.001 M phosphate buffer (pH 7.0, 0.5mL) solution. It can be used for immunoreactions such as western blotting with Ga i3 protein (human).

**Immunogen:** Synthetic G protein: Ga i3 (105-127) (human), carrier free **Host:** Rabbit

**Amino Acid Sequence of G Protein: Ga i3 (105-127) (human) <sup>1)</sup>:**  
105 127  
RQLFVL AGSAEEGVMT PELAGVI

**Product Form:** Lyophilized unpurified serum **Size:** 50 µL

**Reconstitution:** Reconstitute the product with 0.5mL of 0.01M PBS (pH7.0) to make a 10 fold diluted stock solution. If it is stored in a refrigerator, add moderate antiseptic to the solution (e.g. NaN3 0.1%).

**Storage:** The product will be stable for over one year if it be stored at -20°C to -80°C until opened. Upon recon- stitution, the antiserum solution must be stored at 2°C to 8°C and used within one month. Reconstituted antiserum solution can also be aliquotted and stored at -20°C to -80°C for six months without marked loss of activity. Repeated freezing- thawing should be avoided.

**Suggested Working Dilution Range:** 1:1,000 for immunoblotting. Optimal dilution should be determined by each laboratory for each application.

**Specificity** (based on western blotting): Ga i3 specific, a 48 KDa band was observed by western blotting using HIT T15 cells extract.

**Positive Control** (immunoblot): Rat islets, B cell HIT-T15 cell line

**Species Tested:** Rat, mouse, hamster, human

**REFERENCES:**

1) H. Itoh, R. Toyama et al., Presence of three distinct molecular species of Gi protein alpha subunit. Structure of rat cDNAs and human genomic DNAs. Journal of Biological Chemistry 263:6656-6660, 1988

**FOR RESEARCH LABORATORY USE ONLY**

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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