Anti G Protein: Gα i3 (105-127) (Human) Serum Cat. No. YP071 Lot No. 4581125

Description: This antiserum was raised in a rabbit by immunization with a carrier free synthetic G protein: Gα i3 (105-127) (human) fragment. The product vial contains 50 μL 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 Gα i3 protein (human).

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

Amino Acid Sequence of G Protein: Gα i3 (105-127) (human) [1]**:**

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. NaN_3 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 reconstitution, 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)**:** Gα 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

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DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

Yanaihara Institute Inc.
2480-1 Awakura, Fujinomiya, Shizuoka, 418-0011 Japan
TEL: +81-544-22-2771 FAX:+81-544-22-2770
For more infomation, please visit our internet website: http://www.yanaihara.co.jp or contact us to: ask@yanaihara.co.jp

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