

Anti G Protein: G α olf (23-38) (Human, mouse, rat) Serum

Cat. No. YP070 Lot No. 27150704

Description: This antiserum was raised in a rabbit by immunization with a carrier free synthetic G protein: G α olf (23-38) (human, mouse, rat) fragment. The product vial contains 50 μ L of the titled antiserum obtained by lyophilizing its 0.001 M phosphate buffer (pH 7.0, 0.5mL) solution. It can be used for immunoassay, immunohistochemistry or any other immunoreaction with G α olf protein (human, mouse, rat).

Immunogen: Synthetic G protein: Gα olf (23-38) (human, mouse, rat), carrier free

Host: Rabbit

Amino Acid Sequence of G Protein: G α olf (23-38) (human)¹⁾:

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Product Form: Lyophilized unpurified serum

Size: 50 μ L

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 reconstitution, the antiserum solution must be stored at 2°C to 8°C and used within one month. 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): α OLF (human, mouse, rat) specific, a 44-48 KDa main 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) J.M. Zigman, G.T. Westermark et al., Human G(olf) alpha: complementary deoxyribonucleic acid structure and expression in pancreatic islets and other tissues outside the olfactory neuroepithelium and central nervous system. *Endocrinology* 133:2508-2513, 1993

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