

## GNAT3 Rabbit Polyclonal Antibody

Catalog No: #54119



Package Size: #54119-1 50ul #54119-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

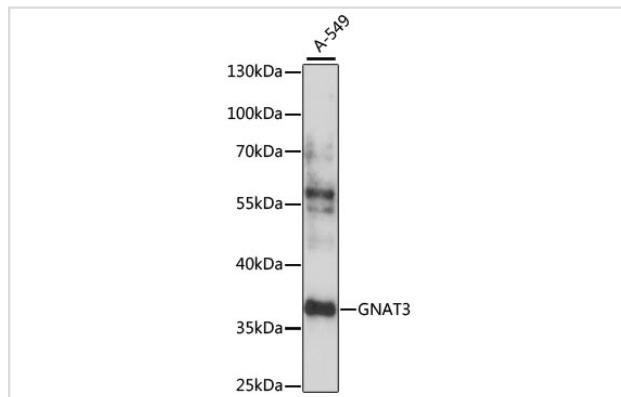
## Description

|                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| Product Name          | GNAT3 Rabbit Polyclonal Antibody                            |
| Host Species          | Rabbit                                                      |
| Clonality             | Polyclonal                                                  |
| Isotype               | IgG                                                         |
| Purification          | Affinity purification                                       |
| Applications          | WB,IF                                                       |
| Species Reactivity    | Human,Mouse,                                                |
| Immunogen Description | Recombinant fusion protein of human GNAT3 (NP_001095856.1). |
| Conjugates            | Unconjugated                                                |
| Other Names           | GNAT3;GDCA                                                  |
| Accession No.         | Swiss Prot:A8MTJ3GenID:346562                               |
| Calculated MW         | 40kDa                                                       |
| SDS-PAGE MW           | 37kDa                                                       |
| Formulation           | Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.     |
| Storage               | Store at -20°C. Avoid freeze / thaw cycles.                 |

## Application Details

WB □ 1:500 - 1:2000 IF □ 1:50 - 1:200

## Images



Western blot analysis of extracts of A-549 cells, using GNAT3 at 1:1000 dilution.

## Background

Sweet, bitter, and umami tastes are transmitted from taste receptors by a specific guanine nucleotide binding protein. The protein encoded by this gene is the alpha subunit of this heterotrimeric G protein, which is found not only in the oral epithelium but also in gut tissues. Variations in this gene have been linked to metabolic syndrome.

## Published Papers

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Zeng Xi, Pang Suwen, Lu Hong, Zhu Jingchao, Li Ze, Liu Ni, Zhang Xifeng, Wang Yun, Wei Zhifeng et al., Aloperine ameliorates radiation enteritis by driving the TAS2R138-PLC $\beta$ /GAPDH axis-mediated glucose metabolic reprogramming to inhibit ferroptosis in intestinal B $\beta$  1, *Biochemical pharmacology*, (2025)

PMID:40902734

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.