For Research Use Only

GNAT3 Polyclonal antibody

Catalog Number:25322-1-AP

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Basic Information

Catalog Number:
25322-1-AP

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG18121

GenBank Accession Number:
BC147016

GeneID (NCBI):
346562

UNIPROT ID:
A8MTJ3

Full Name:
guanine nucleotide binding protein, alpha transducing 3

Calculated MW:
354 aa, 40 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IHC: 1:50-1:500

Applications

Tested Applications:
IHC, ELISA

Species Specificity:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : mouse small intestine tissue,

Background Information

GNAT3 (Guanine nucleotide-binding protein G(t) subunit alpha-3), also known as α-gustducin, is a protein that plays a key role in taste signaling. It is part of the G-protein family and is mainly expressed in Type II taste cells in the taste buds of the tongue. GNAT3 is involved in detecting sweet, bitter, and umami tastes by activating a signaling cascade that includes PLC β 2, TRPM5, and other downstream effectors.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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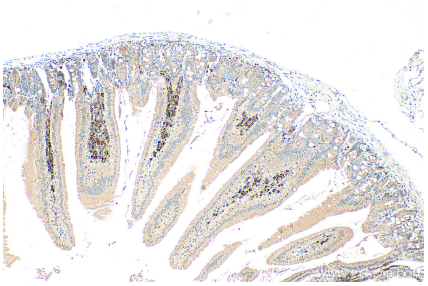
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 25322-1-AP (GNAT3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).