

For Research Use Only

GNAT3 Polyclonal antibody

Catalog Number: 25322-1-AP



Basic Information

Catalog Number: 25322-1-AP	GenBank Accession Number: BC147016	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 670 ug/ml by Nanodrop;	GeneID (NCBI): 346562	Recommended Dilutions: IHC: 1:50-1:500
Source: Rabbit	UNIPROT ID: A8MTJ3	
Isotype: IgG	Full Name: guanine nucleotide binding protein, alpha transducing 3	
Immunogen Catalog Number: AG18121	Calculated MW: 354 aa, 40 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : mouse small intestine tissue,
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	

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

*** 20ul sizes contain 0.1% BSA

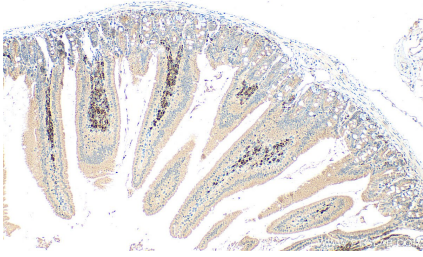
For technical support and original validation data for this product please contact:

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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).