

Anti-GNAT3 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 40 kDa. Actual: 40 kDa.
Purification:	Protein A purified

Applications

1. Paraformaldehyde-fixed, paraffin embedded (rat testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (GNAT3) Polyclonal Antibody, Unconjugated (TMAB-00783) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.

2. Sample: A549 Cell Lysate at 40 µg

Primary: Anti-GNAT3 (TMAB-00783) at 1/300 dilution

Verified Activity: Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 40 kDa

Observed band size: 40 kDa

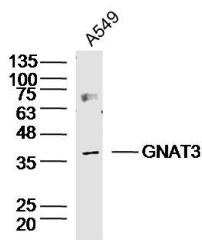
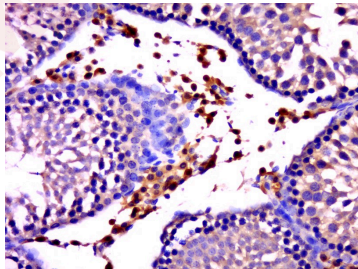
3. Sample: Testis (Mouse) Lysate at 40 µg

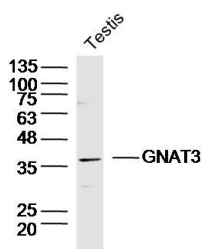
Primary: Anti-GNAT3 (TMAB-00783) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 40 kDa

Observed band size: 40 kDa





Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human GNAT3

Antigen Species: Human

Gene ID: 346562

Uniprot ID: A8MTJ3

Synonyms: GDCA;Gnat 3;Gustducin alpha 3;Ggust;Guanine nucleotide-binding protein G(t) subunit alpha-3;Gtn;Gustducin alpha 3 chain;Guanine nucleotide binding protein alpha transducing 3

Biology Area: More GPCR,Taste system,GPCR

Research Background

Heterotrimeric G proteins function to relay information from cell surface receptors to intracellular effectors. Each of a very broad range of receptors specifically detects an extracellular stimulus (a photon, pheromone, odorant, hormone or neurotransmitter) while the effectors (e.g., adenylyl cyclase), which act to generate one or more intracellular messengers, are less numerous. In mammals, G protein alpha, beta and gamma polypeptides are encoded by at least 16, 4 and 7 genes, respectively. Most interest in G proteins has been focused on their alpha subunits, since these proteins bind and hydrolyze GTP and most obviously regulate the activity of the best studied effectors. Four distinct classes of G_α subunits have been identified; these include G_s, G_i, G_q and G_α 12/13. Gustducin has been identified as a taste-cell-specific G protein within the G_i subclass of G_α subunit proteins that is most closely related to the transducins and exclusively expressed in taste buds.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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