

Goat anti-GNAT3 Antibody

Item Number	dAP-1566
Target Molecule	Principle Name: GNAT3; Official Symbol: GNAT3; All Names and Symbols: GNAT3; guanine nucleotide binding protein, alpha transducing 3 ; tcag7.1053; GDCA; gustducin alpha-3; Accession Number (s): NP_001095856.1; Human Gene ID(s): 346562; Non-Human GeneID(s): 242851 (mouse) 286924 (rat)
Immunogen	KNQFLDLNLKKEDKE, is from internal region
Applications	Pep ELISA, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	Western Blot: Preliminary experiments gave an approx 27kDa band in Human Colon and Testis lysates and in cell lines NIH 3T3, A431 and Kelly after 0.1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for
IHC	Immunohistochemistry: In paraffin embedded Human Small Intestine shows staining of endocrine cells amongst the enterocytes. Recommended concentration: 3-6µg/ml.
Reference	Reference(s): Jang HJ, Kokrashvili Z, Theodorakis MJ, Carlson OD, Kim BJ, Zhou J, Kim HH, Xu X, Chan SL, Juhaszova M, Bernier M, Mosinger B, Margolskee RF, Egan JM. Gut-expressed gustducin and taste receptors regulate secretion of glucagon-like peptide-1. Proc Natl Acad Sci U S A. 2007 Sep 18;104

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**