

Goat anti-GNAS Antibody

Item Number	dAP-2114
Target Molecule	Principle Name: GNAS; Official Symbol: GNAS; All Names and Symbols: GNAS; GNAS complex locus; AHO; C20orf45; GNAS1; GPSA; GSA; GSP; MGC33735; NESP; PHP1A; PHP1B; POH; dJ309F20.1.1; dJ806M20.3.3; OTTHUMP0000031742; OTTHUMP00000196026; OTTHUMP00000196030; adenylate cyclase-stimulating G alpha protein; guanine nucleotide bi; Accession Number (s): NP_000507.1; NP_001070956.1; NP_001070957.1; Human Gene ID(s): 2778; Non-Human GenelD(s): 14683 (mouse)
Immunogen	QAARSNSDGEKATK, is from internal region This antibody is expected to recognize all three reported isoforms NP_000507.1, NP_001070956.1 and NP_536350.2. However, in Mouse it is expected to recognize reported isoforms GNASL (NP_963910.1)
Applications	Pep ELISA, WB Species Tested: Human, Mouse, Rat
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 16000.
Western Blot	Western Blot: Approx 45kDa band observed in lysates of cell line Jurkat (calculated MW of 45.7kDa according to NP_000507.1). Recommended concentration: 1-3µg/ml. Approx. 50kDa band observed in lysates of Mouse and Rat Brain (calculated MW of 45.6kDa acc
IHC	
Reference	Reference(s): Nishihara E, Amino N, Maekawa K, Yoshida H, Ito M, Kubota S, Fukata S, Miyauchi A, Prevalence of TSH receptor and Gsalpha mutations in 45 autonomously functioning thyroid nodules in Japan. Endocrine journal 2009 Dec 56 (6): 791-8.. PMID: 19550078->

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**