

Goat anti-GNAI2 (aa289-299) Antibody

Item Number	dAP-3267
Target Molecule	Principle Name: GNAI2 (aa289-299); Official Symbol: GNAI2; All Names and Symbols: GNAI2; guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2; GIP; GNAI2B; H_LUCA15.1; H_LUCA16.1; GTP-binding regulatory protein Gi alpha-2 chain; adenylate cyclase-inhibiting G alpha protein; guanine nucleotide-binding ; Accession Number (s): NP_002061.1; NP_001159897.1; Human Gene ID(s): 2771; Non-Human GenelD(s): 14678 (mouse) 81664 (rat)
Immunogen	PEYTGANKYDE, is from internal region This antibody is expected to recognize both reported isoforms (NP_002061.1; NP_001159897.1).
Applications	Pep ELISA, WB 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 8000.
Western Blot	Western Blot: Approx 38kDa band observed in Human Peripheral Blood Mononucleocytes lysates (calculated MW of 40.5kDa according to NP_002061.1). Recommended concentration: 1-3µg/ml.
IHC	
Reference	Reference(s): Kremer KN, Kumar A, Hedin KE. G alpha i2 and ZAP-70 mediate RasGRP1 membrane localization and activation of SDF-1-induced T cell functions. <i>J Immunol.</i> 2011 Sep 15;187(6):3177-85..PMID: 21856938->

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 end users! This product is sold for **Research Use Only**