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Research Use Only. Not for diagnostic or therapeutic use.

EB11980 - Goat Anti-GNAI2 (aa289-299) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: 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 protein G(i) subunit alpha-2, guanine nucleotide-binding protein G(i), alpha-2 subunit

Official Symbol: GNAI2

Accession Number(s): NP_002061.1; NP_001159897.1

Human GenelD(s): 2771

Non-Human GeneID(s): 14678 (mouse), 81664 (rat)

Important Comments: This antibody is expected to recognize both reported isoforms

(NP_002061.1; NP_001159897.1).

Immunogen

Peptide with sequence C-PEYTGANKYDE, from the internal region of the protein sequence according to NP_002061.1; NP_001159897.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:8000.

Western blot: Approx 38kDa band observed in Human Peripheral Blood

Mononucleocytes lysates (calculated MW of 40.5kDa according to NP_002061.1).

Recommended concentration: 1-3 μ g/ml. Primary incubation was 1 hour.

IHC: Paraffin embedded Human Thyroid and Tonsil. Recommended concentration:

5µg/ml.

Species Reactivity

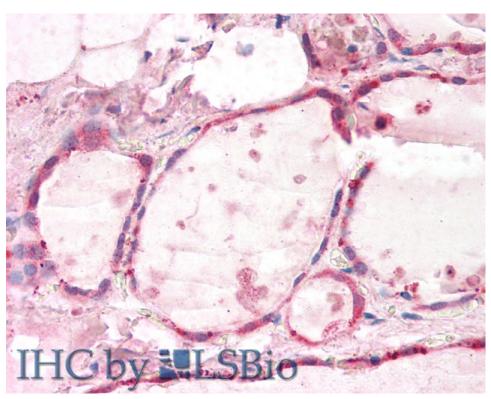
Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Pig, Cow

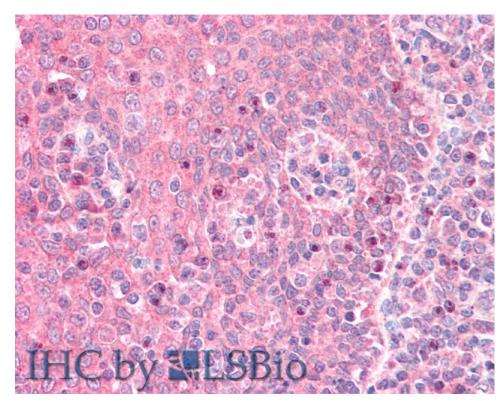
250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

EB11980 ($2\mu g/ml$) staining of Human Peripheral Blood Lymphocytes lysate ($35\mu g$ protein in RIPA buffer). Detected by chemiluminescence.

15kDa



EB11980 (5µg/ml) staining of paraffin embedded Human Thyroid. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB11980 ($5\mu g/ml$) staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.