

Human Guanine Nucleotide-Binding Protein G(i) Subunit Alpha-2 (GNAI2) ELISA Kit | GNAI2 elisa kit

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CATALOG #
AAA219641

REACTIVITY
Human

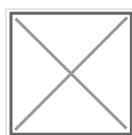
PRODUCT SYNONYMS

Guanine Nucleotide-Binding Protein G(i) Subunit Alpha-2 (GNAI2); Human Guanine Nucleotide-Binding Protein G(i) Subunit Alpha-2 (GNAI2) ELISA Kit; Adenylate cyclase-inhibiting G alpha protein; GNAI2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of i. No significant cross-reactivity or interference between i and analogues was observed.
Sequence Length	318
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates or other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.132ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level i were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level i were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Stable for 12 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GNAI2 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to i. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to i. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain i, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of i in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of i in human serum, plasma, tissue homogenates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	261878575
NCBI GeneID	2771
NCBI Accession #	NP_001159897.1
NCBI GenBank Nucleotide #	NM_001166425.1
UniProt Accession #	P04899; Q6B6N3; Q8IZ71; B3KTZ0; B4DYA0; B4E2X5
Molecular Weight	38,473 Da
NCBI Official Full Name	guanine nucleotide-binding protein G(i) subunit alpha-2 isoform 2
NCBI Official Synonym Full Names	G protein subunit alpha i2
NCBI Official Symbol	GNAI2
NCBI Official Synonym Symbols	GIP; GNAI2B; H_LUCA15.1; H_LUCA16.1
NCBI Protein Information	guanine nucleotide-binding protein G(i) subunit alpha-2
UniProt Protein Name	Guanine nucleotide-binding protein G(i) subunit alpha-2
UniProt Gene Name	GNAI2
UniProt Synonym Gene Names	GNAI2B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/guanine-nucleotide-binding-protein-g-i-subunit-alpha-2-gnai2/219641>