

Rat Guanine nucleotide-binding protein G (GNAI2) ELISA Kit | GNAI2 elisa kit

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CATALOG #
AAA56048

REACTIVITY
Rat

PRODUCT SYNONYMS

Guanine nucleotide-binding protein G (GNAI2); Rat Guanine nucleotide-binding protein G (GNAI2) ELISA Kit; 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; alpha inhibiting activity polype; GNAI2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat GNAI2. No significant cross-reactivity or interference between Rat GNAI2 and analogues was observed.
Sequence Length	355
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	62.5 pg/mL - 4000 pg/mL
Sensitivity	31.25 pg/mL (mean of 6 independent assays)
Detection Wavelength	450 nm
Intra-assay Precision (Precision within an assay)	Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.
Inter-assay Precision (Precision between assays)	Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.
CV (%)	= SD/meanX100
Intra-Assay	CV
Inter-Assay	CV
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for GNAI2 elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate GNAI2 in Rat serum, plasma, tissue homogenates. An antibody specific for GNAI2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GNAI2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GNAI2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of GNAI2 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Rat Guanine nucleotide-binding protein G (GNAI2) concentration in serum, plasma, tissue homogenates and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13591955
NCBI GeneID	81664
NCBI Accession #	NP_112297.1
NCBI GenBank Nucleotide #	NM_031035.3
UniProt Accession #	P04897
Molecular Weight	40,499 Da
NCBI Official Full Name	guanine nucleotide-binding protein G(i) subunit alpha-2
NCBI Official Synonym Full Names	G protein subunit alpha i2
NCBI Official Symbol	Gnai2
NCBI Official Synonym Symbols	Galphai2
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	Gnai-2

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://www.aaabiotech.com/rat-elisa-kits/guanine-nucleotide-binding-protein-g-gnai2/56048>