

Human Gamma-Aminobutyric Acid B Receptor 1 (gABBR1) ELISA Kit | gABBR1 elisa kit

Human Gamma-Aminobutyric Acid B Receptor 1 (gABBR1) ELISA Kit

CATALOG #
AAA149128

REACTIVITY
Human

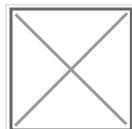
PRODUCT SYNONYMS

Gamma-Aminobutyric Acid B Receptor 1 (gABBR1); Human Gamma-Aminobutyric Acid B Receptor 1 (gABBR1) ELISA Kit; GABAB(1e); GABABR1; GABA-BR1; GABBR1-3; GPRC3A; HGB1a; Gamma-aminobutyric acid type B receptor subunit 1; gABBR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GABARAPL2. No significant cross-reactivity or interference between GABARAPL2 and analogues was observed.
Sequence Length	473
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GABARAPL2 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 GABARAPL2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for gABBR1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GABARAPL2 in rat tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to GABARAPL2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to GABARAPL2. 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 GABARAPL2, 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 GABARAPL2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for gABBR1 elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503867
NCBI GeneID	2562
NCBI Accession #	NP_000805.1
NCBI GenBank Nucleotide #	NM_000814.6
UniProt Accession #	P28472; Q14352; Q96FM5; B7Z2W1; B7Z825; F5H3D2; H7BYV8
Molecular Weight	54,379 Da
NCBI Official Full Name	gamma-aminobutyric acid receptor subunit beta-3 isoform 1
NCBI Official Synonym Full Names	gamma-aminobutyric acid type A receptor beta3 subunit
NCBI Official Symbol	GABRB3
NCBI Official Synonym Symbols	ECA5; EIEE43
NCBI Protein Information	gamma-aminobutyric acid receptor subunit beta-3
UniProt Protein Name	Gamma-aminobutyric acid receptor subunit beta-3
UniProt Gene Name	GABRB3

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/gamma-aminobutyric-acid-b-receptor-1-gabbr1/149128>