

Human Adrenergic Receptor Beta Kinase 2 (ADRBK2) ELISA Kit | ADRBK2 elisa kit

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CATALOG # AAA151285	REACTIVITY Human
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PRODUCT SYNONYMS

Adrenergic Receptor Beta Kinase 2 (ADRBK2); Human Adrenergic Receptor Beta Kinase 2 (ADRBK2) ELISA Kit; ADRBK2/Adrenergic Receptor Beta Kinase 2; B-ARK2; bARK2; Beta-ARK2; GRK3; G-protein-coupled receptor kinase 3; ADRBK2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ADRBK2. No significant cross-reactivity or interference between ADRBK2 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.112ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ADRBK2 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 ADRBK2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term(within shelf life) Shelf Life: 8 months 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.

ADDITIONAL INFORMATION

Related Product Information for ADRBK2 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ADRBK2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ADRBK2. 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 ADRBK2, 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 ADRBK2 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 in vitro quantitative measurement of ADRBK2 in human tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for ADRBK2 elisa kit	Endocrinology

NCBI AND UNIPROT INFORMATION

NCBI GI #	148539879
NCBI GeneID	157
NCBI Accession #	NP_005151.2
NCBI GenBank Nucleotide #	NM_005160.3
UniProt Accession #	P35626; Q9UGW9
Molecular Weight	79,710 Da
NCBI Official Full Name	beta-adrenergic receptor kinase 2
NCBI Official Synonym Full Names	adrenergic, beta, receptor kinase 2
NCBI Official Symbol	ADRBK2
NCBI Official Synonym Symbols	GRK3; BARK2
NCBI Protein Information	beta-adrenergic receptor kinase 2; beta-ARK-2; G-protein-coupled receptor kinase 3
UniProt Protein Name	Beta-adrenergic receptor kinase 2
UniProt Gene Name	ADRBK2
UniProt Synonym Gene Names	BARK2; GRK3; Beta-ARK-2
UniProt Entry Name	ARBK2_HUMAN

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://www.aaabiotech.com/human-elisa-kits/adrenergic-receptor-beta-kinase-2-adrbk2/151285>