

Human Beta-Adrenergic Receptor Kinase 1 (ADRBK1) ELISA Kit | ADRBK1 elisa kit

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CATALOG #
AAA331138

REACTIVITY
Human

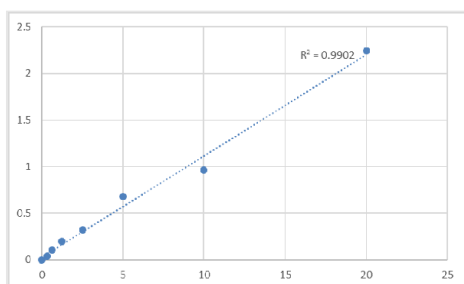
PRODUCT SYNONYMS

Beta-Adrenergic Receptor Kinase 1 (ADRBK1); Human Beta-Adrenergic Receptor Kinase 1 (ADRBK1) ELISA Kit; ADRBK1; BARK1; BETA-ARK1; FLJ16718; GRK2; beta-adrenergic receptor kinase 1; ADRBK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Beta-adrenergic receptor kinase 1 (ADRBK1) ELISA Kit has high sensitivity and excellent specificity for detection of Human ADRBK1. No significant cross-reactivity or interference between Human ADRBK1 and analogues was observed.
Sequence Length	689
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Beta-adrenergic receptor kinase 1 (ADRBK1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ADRBK1 elisa kit	Description: This Human Beta-adrenergic receptor kinase 1 (ADRBK1) ELISA Kit employs a two-site sandwich ELISA to quantitate ADRBK1 in samples. An antibody specific for ADRBK1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ADRBK1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADRBK1 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 ADRBK1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Beta-adrenergic receptor kinase (BARK) phosphorylates the beta-2-adrenergic receptor and appears to mediate agonist-specific desensitization observed at high agonist concentrations. BARK is a ubiquitous cytosolic enzyme that specifically phosphorylates the activated form of the beta-adrenergic and related G protein-coupled receptors. By study of rodent/human hybrid cells retaining various human chromosomes and parts of chromosomes, Benovic et al. (1991) demonstrated that the ADRBK1 gene segregates with the long arm of chromosome 11, centromeric to 11q13, i.e., 11cen-q13. Benovic et al. (1991) mapped the homologous gene to mouse chromosome 19.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	148539876
NCBI GeneID	156
NCBI Accession #	NP_001610.2
NCBI GenBank Nucleotide #	NP_001610.2
UniProt Accession #	P25098
NCBI Official Full Name	beta-adrenergic receptor kinase 1
NCBI Official Synonym Full Names	G protein-coupled receptor kinase 2
NCBI Official Symbol	GRK2
NCBI Official Synonym Symbols	BARK1; ADRBK1; BETA-ARK1
NCBI Protein Information	beta-adrenergic receptor kinase 1
UniProt Protein Name	Beta-adrenergic receptor kinase 1
UniProt Gene Name	ADRBK1
UniProt Synonym Gene Names	BARK; BARK1; GRK2; Beta-ARK-1
UniProt Entry Name	ARBK1_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://stage.aaabiotech.com/human-elisa-kits/beta-adrenergic-receptor-kinase-1-adrbk1/331138>