

Rat Beta-adrenergic receptor kinase 1 (ADRBK1) ELISA Kit | ADRBK1 elisa kit

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CATALOG #
AAA246830

REACTIVITY
Rat

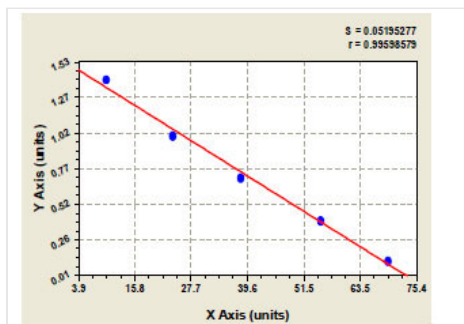
PRODUCT SYNONYMS

Beta-adrenergic receptor kinase 1 (ADRBK1); Rat Beta-adrenergic receptor kinase 1 (ADRBK1) ELISA Kit; ADRBK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25 ng/mL
Sensitivity	0.1ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for ADRBK1 elisa kit

Intended Uses: This ADRBK1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ADRBK1. This ELISA kit for research use only!

Principle of the Assay||ADRBK1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-ADRBK1 antibody and an ADRBK1-HRP conjugate. The assay sample and buffer are incubated together with ADRBK1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ADRBK1 concentration since ADRBK1 from samples and ADRBK1-HRP conjugate compete for the anti-ADRBK1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ADRBK1 from the sample, fewer sites are left to bind ADRBK1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADRBK1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148539876
NCBI GeneID	156
NCBI Accession #	NP_001610.2
NCBI GenBank Nucleotide #	NM_001619.3
Molecular Weight	79,574 Da
NCBI Official Full Name	beta-adrenergic receptor kinase 1
NCBI Official Synonym Full Names	adrenergic, beta, receptor kinase 1
NCBI Official Symbol	ADRBK1
NCBI Official Synonym Symbols	GRK2; BARK1; BETA-ARK1
NCBI Protein Information	beta-adrenergic receptor kinase 1; beta-ARK-1; G-protein coupled receptor kinase 2
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.