

Rat Acetyl-CoA carboxylase 2 (ACACB) ELISA Kit | ACACB elisa kit

Rat Acetyl-CoA carboxylase 2 (ACACB) ELISA Kit

CATALOG #
AAA245829

REACTIVITY
Rat

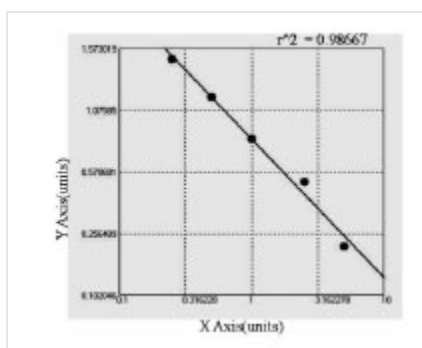
PRODUCT SYNONYMS

Acetyl-CoA carboxylase 2 (ACACB); Rat Acetyl-CoA carboxylase 2 (ACACB) ELISA Kit; ACACB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive (Quantitative)
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACACB elisa kit

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

Principle of the Assay: ACACB ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ACACB antibody and an ACACB-HRP conjugate. The assay sample and buffer are incubated together with ACACB-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 ACACB concentration since ACACB from samples and ACACB-HRP conjugate compete for the anti-ACACB antibody binding site. Since the number of sites is limited, as more sites are occupied by ACACB from the sample, fewer sites are left to bind ACACB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACACB concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	134142062
NCBI GeneID	32
NCBI Accession #	NP_001084.3
NCBI GenBank Nucleotide #	NM_001093.3
Molecular Weight	268,166 Da
NCBI Official Full Name	acetyl-CoA carboxylase 2
NCBI Official Synonym Full Names	acetyl-CoA carboxylase beta
NCBI Official Symbol	ACACB
NCBI Official Synonym Symbols	ACC2; ACCB; HACC275
NCBI Protein Information	acetyl-CoA carboxylase 2; ACC-beta; acetyl-Coenzyme A carboxylase beta
UniProt Protein Name	Acetyl-CoA carboxylase 2
UniProt Gene Name	ACACB
UniProt Synonym Gene Names	ACC2; ACCB
UniProt Entry Name	ACACB_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/rat-elisa-kits/acetyl-coa-carboxylase-2-acacb/245829>