



Rat acetyl-CoA carboxylase 1 (ACACA) ELISA kit (15.6-1000 pg/mL)

Cat. No.:	OB0525WXX-016
Assay Type:	Quantitative sandwich ELISA
Target Species:	Rat
Assay Target:	ACACA
Size:	48T; 96T

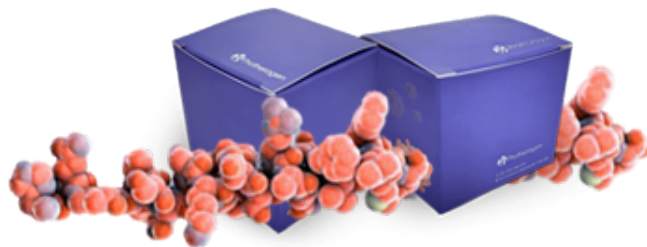
This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Rat acetyl-CoA carboxylase 1 (ACACA) ELISA kit (15.6-1000 pg/mL) is a ready-to-use ELISA kit for analyzing rat ACACA levels with a detection range of 15.6-1000 pg/mL and a sensitivity of 8.1 pg/mL.
Assay Principle	The kit is based on ACACA antibody-ACACA antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect ACACA antigen targets in samples.
Background	ACACA (also known as ACC1) is the first rate-limiting enzyme in fatty acid synthesis and is primarily responsible for converting cytoplasmic acetyl-CoA to malonyl-CoA. It plays a central role in fatty acid synthesis and is a promising therapeutic target for the treatment of obesity, cancer, metabolic diseases, and other disorders.
Synonyms	ACC1; ACC-alpha; Acetyl-coenzyme A carboxylase 1; EC 6.3.4.14
Formula Weight	264,328 Da
Applications	Rat acetyl-CoA carboxylase 1 (ACACA) ELISA kit (15.6-1000 pg/mL) is designed for the <i>in vitro</i> quantitative analysis of ACACA levels in rat samples.
Research Area	Metabolites; Fatty acid biosynthesis; Obesity

Specification

Sample Type	Rat samples
Detection Range	15.6-1000 pg/mL

**Sensitivity**

8.1 pg/mL

Cross-reactivity

No significant cross-reactivity or interference was observed.

Storage

Store at 2-8°C.