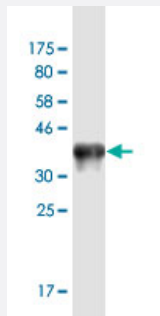


ACACB monoclonal antibody (M02A), clone 3E8

Catalog # H00000032-M02A Size 200 uL

Applications



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ACACB.
Immunogen	ACACB (NP_001084, 22 a.a. ~ 120 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	WGKMTDSKPITKSKSEANLIPSQEPFPASDNSGETPQRNGEGHTLPKTPSQAEPASHKGPKDA GRRRNSLPPSHQKPPRNPLSSSDAAPSPPELQANGT
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (57)
Isotype	IgM Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — ACACB

Entrez GeneID [32](#)

GeneBank Accession# [NM_001093](#)

Protein Accession# [NP_001084](#)

Gene Name ACACB

Gene Alias ACC2, ACCB, HACC275

Gene Description acetyl-Coenzyme A carboxylase beta

Omim ID [601557](#)

Gene Ontology [Hyperlink](#)

Gene Summary Acetyl-CoA carboxylase (ACC) is a complex multifunctional enzyme system. ACC is a biotin-containing enzyme which catalyzes the carboxylation of acetyl-CoA to malonyl-CoA, the rate-limiting step in fatty acid synthesis. ACC-beta is thought to control fatty acid oxidation by means of the ability of malonyl-CoA to inhibit carnitine-palmitoyl-CoA transferase I, the rate-limiting step in fatty acid uptake and oxidation by mitochondria. ACC-beta may be involved in the regulation of fatty acid oxidation, rather than fatty acid biosynthesis. There is evidence for the presence of two ACC-beta isoforms. [provided by RefSeq]

Other Designations acetyl-CoA carboxylase 2

Pathway

- [Adipocytokine signaling pathway](#)
- [Fatty acid biosynthesis](#)
- [Insulin signaling pathway](#)

- [Metabolic pathways](#)
- [Propanoate metabolism](#)
- [Pyruvate metabolism](#)

Disease

- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemias](#)
- [Hypertriglyceridemia](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Proteinuria](#)
- [Psychotic Disorders](#)
- [Tobacco Use Disorder](#)