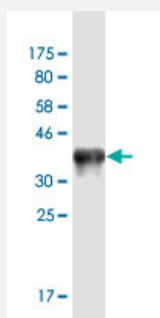


# ACACB monoclonal antibody (M02A), clone 3E8

Catalog # H00000032-M02A

Size 200 uL

## Applications



Western Blot detection against Immunogen (36.63 KDa) .

## Specification

|                                      |                                                                                                                   |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Mouse monoclonal antibody raised against a partial recombinant ACACB.                                             |
| <b>Immunogen</b>                     | ACACB (NP_001084, 22 a.a. ~ 120 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| <b>Sequence</b>                      | WGKMTDSKPITKSKSEANLIPSQEPFPASDNSGETPQRNGEGHTLPKTPSQAEPASHKGPKDA<br>GRRRNSLPPSHQKPPRNPLSSSDAAPSPELQANGT            |
| <b>Host</b>                          | Mouse                                                                                                             |
| <b>Reactivity</b>                    | Human                                                                                                             |
| <b>Interspecies Antigen Sequence</b> | Mouse (57)                                                                                                        |
| <b>Isotype</b>                       | IgM Kappa                                                                                                         |
| <b>Quality Control Testing</b>       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (36.63 KDa) .          |
| <b>Storage Buffer</b>                | In ascites fluid                                                                                                  |
| <b>Storage Instruction</b>           | 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       | <a href="#">32</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| GeneBank Accession# | <a href="#">NM_001093</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Protein Accession#  | <a href="#">NP_001084</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Name           | ACACB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Alias          | ACC2, ACCB, HACC275                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Description    | acetyl-Coenzyme A carboxylase beta                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Omim ID             | <a href="#">601557</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Summary        | <p>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]</p> |
| 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](#)