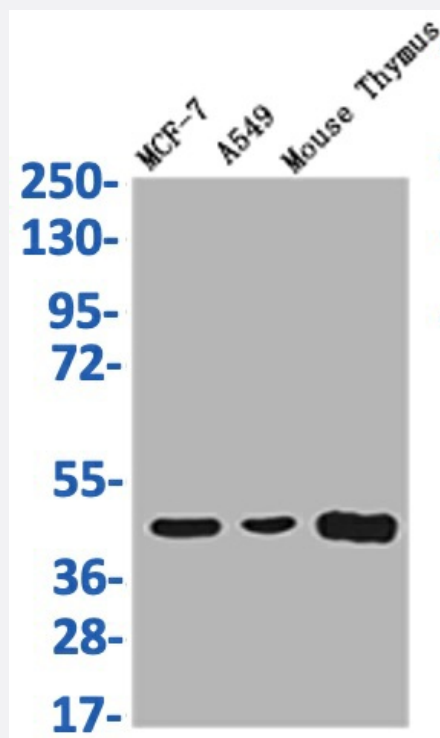


RecomAb™

# ACAA2 recombinant monoclonal antibody, clone 12F4

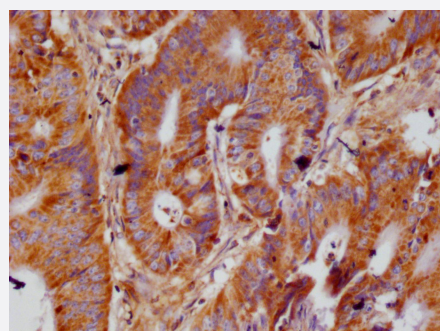
Catalog # RAB07616      Size 100 uL

## Applications



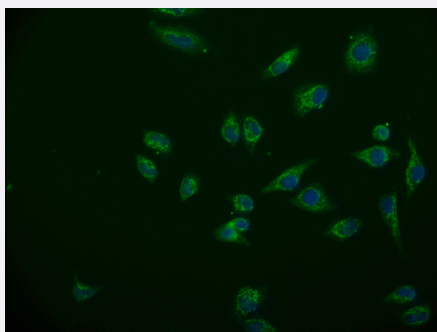
### Western Blot

Western Blot analysis of Lane 1: MCF-7 whole cell lysate; Lane 2: A549 whole cell lysate; Lane3: Mouse thymus.



### Immunohistochemistry

Immunohistochemistry image of ACAA2 recombinant monoclonal antibody, clone 12F4 diluted at 1:100 and staining in paraffin-embedded human colon cancer performed on a Leica Bond™ system.



## Immunofluorescence

Immunofluorescence staining of HeLa Cells with ACAA2 recombinant monoclonal antibody, clone 12F4 at 1:50, counter-stained with DAPI.

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human and mouse ACAA2.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against a synthetic peptide corresponding to human ACAA2.
<b>Reactivity</b>	Human, Mouse
<b>Form</b>	Liquid
<b>Purification</b>	Affinity chromatography purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	ELISA Immunohistochemistry(1:50-1:200) Immunofluorescence(1:20-1:200) Western Blot(1:500-1:2000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
<b>Storage Instruction</b>	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

### ● Western Blot

Western Blot analysis of Lane 1: MCF-7 whole cell lysate; Lane 2: A549 whole cell lysate; Lane3: Mouse thymus.

- Immunohistochemistry

Immunohistochemistry image of ACAA2 recombinant monoclonal antibody, clone 12F4 diluted at 1:100 and staining in paraffin-embedded human colon cancer performed on a Leica Bond<sup>TM</sup> system.

- Immunofluorescence

Immunofluorescence staining of Hela Cells with ACAA2 recombinant monoclonal antibody, clone 12F4 at 1:50, counter-stained with DAPI.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — ACAA2

Entrez GeneID [10449](#)

Protein Accession# [P42765](#)

Gene Name ACAA2

Gene Alias DSAEC, FLJ35992, FLJ95265

Gene Description acetyl-Coenzyme A acyltransferase 2

Omim ID [604770](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** The encoded protein catalyzes the last step of the mitochondrial fatty acid beta-oxidation spiral. Unlike most mitochondrial matrix proteins, it contains a non-cleavable amino-terminal targeting signal. [provided by RefSeq]

**Other Designations** acetyl-coenzyme A acyltransferase 2|beta ketothiolase|mitochondrial 3-oxoacyl-CoA thiolase|mitochondrial 3-oxoacyl-Coenzyme A thiolase

## Pathway

- [Fatty acid elongation in mitochondria](#)
- [Fatty acid metabolism](#)
- [Metabolic pathways](#)
- [Valine](#)

## Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)