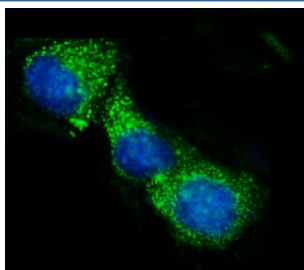


## ACADS Antibody / SCAD (RQ5790)

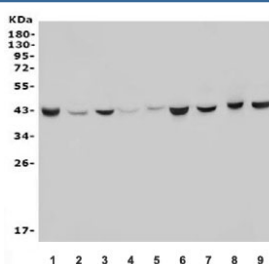
| Catalog No. | Formulation   | Size   |
|-------------|---|--------|
| RQ5790      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

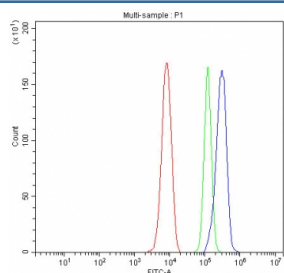
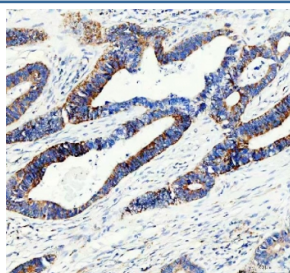
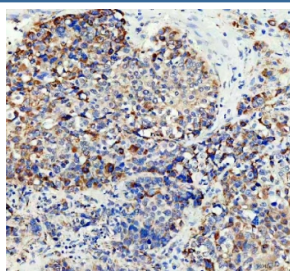
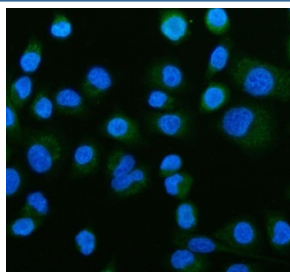
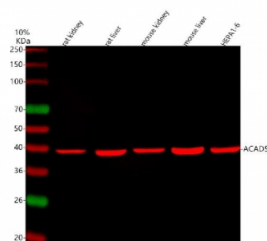
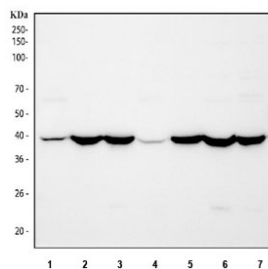
|                           |  |
|---------------------------|--|
| <b>Availability</b>       | 1-3 business days  |
| <b>Species Reactivity</b> | Human, Mouse, Rat  |
| <b>Format</b>             | Antigen affinity purified  |
| <b>Clonality</b>          | Polyclonal (rabbit origin)   |
| <b>Isotype</b>            | Rabbit IgG   |
| <b>Purity</b>             | Affinity purified  |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2% Trehalose  |
| <b>UniProt</b>            | P16219   |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml<br>Immunohistochemistry (FFPE) : 2-5ug/ml<br>Immunofluorescence : 5ug/ml<br>Flow Cytometry : 1-3ug/million cells |
| <b>Limitations</b>        | This ACADS antibody is available for research use only.  |



Immunofluorescent staining of FFPE human MCF7 cells with ACADS antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) HeLa, 2) A549, 3) U-87 MG, 4) HepG2, 5) HEK293, 6) rat liver, 7) rat kidney, 8) mouse liver and 9) mouse kidney lysate with ACADS antibody. Predicted molecular weight ~44 kDa.



## Description

Acyl-CoA dehydrogenase, C-2 to C-3 short chain is an enzyme that in humans is encoded by the ACADS gene. This gene encodes a tetrameric mitochondrial flavoprotein, which is a member of the acyl-CoA dehydrogenase family. This enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Mutations in this gene have been associated with short-chain acyl-CoA dehydrogenase (SCAD) deficiency. Alternative splicing results in two variants which encode different isoforms.

## Application Notes

Optimal dilution of the ACADS antibody should be determined by the researcher.

## Immunogen

Amino acids EIQRLVIAGHLLRSYRS from the human protein were used as the immunogen for the ACADS antibody.

## Storage

After reconstitution, the ACADS antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.