



# ACSS1 Monoclonal Antibody

|                           |   |
|---------------------------|---|
| <b>Catalog No</b>         | YP-mAb-02475  |
| <b>Isotype</b>            | IgG   |
| <b>Reactivity</b>         | Human;Mouse   |
| <b>Applications</b>       | WB  |
| <b>Gene Name</b>          | ACSS1   |
| <b>Protein Name</b>       | Acetyl-coenzyme A synthetase 2-like mitochondrial   |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from human ACSS1. AA range:611-660   |
| <b>Specificity</b>        | ACSS1 Monoclonal Antibody detects endogenous levels of ACSS1 protein.   |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| <b>Source</b>             | Monoclonal, Mouse,IgG   |
| <b>Purification</b>       | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  |
| <b>Dilution</b>           | WB 1:500-1:2000   |
| <b>Concentration</b>      | 1 mg/ml   |
| <b>Purity</b>             | ≥90%  |
| <b>Storage Stability</b>  | -20°C/1 year  |
| <b>Synonyms</b>           | ACSS1; ACAS2L; KIAA1846; Acetyl-coenzyme A synthetase 2-like; mitochondrial; Acetate--CoA ligase 2; Acetyl-CoA synthetase 2; AceCS2; Acyl-CoA synthetase short-chain family member 1  |
| <b>Observed Band</b>      | 75kD  |
| <b>Cell Pathway</b>       | Mitochondrion matrix .  |
| <b>Tissue Specificity</b> | Amygdala,Brain,PCR rescued clones,Placenta,Spleen,Stomach,T   |
| <b>Function</b>           | catalytic activity:ATP + acetate + CoA = AMP + diphosphate + acetyl-CoA.,function:Converts acetate to acetyl-CoA so that it can be used for oxidation through the tricarboxylic cycle to produce ATP and CO(2).,sequence caution:Sequencing errors.,similarity:Belongs to the ATP-dependent AMP-binding enzyme family.,                         |
| <b>Background</b>         | This gene encodes a mitochondrial acetyl-CoA synthetase enzyme. A similar protein in mice plays an important role in the tricarboxylic acid cycle by catalyzing the conversion of acetate to acetyl CoA. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011], |



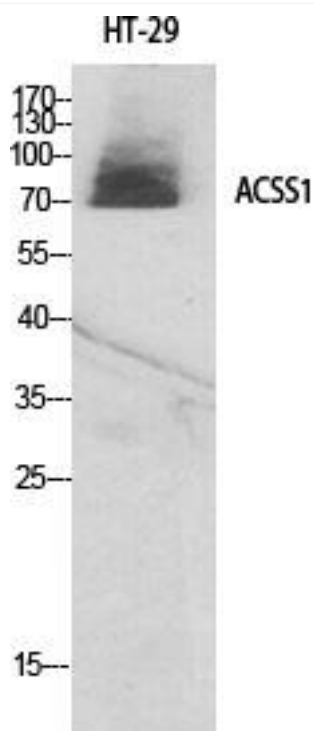
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



Western Blot analysis of various cells using ACSS1 Monoclonal Antibody