



# ACSM3 Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-02344
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	ACSM3
<b>Protein Name</b>	Acyl-coenzyme A synthetase ACSM3 mitochondrial
<b>Immunogen</b>	Purified recombinant human ACSM3 (C-terminus) protein fragments expressed in E.coli.
<b>Specificity</b>	ACSM3 Monoclonal Antibody detects endogenous levels of ACSM3 protein.
<b>Formulation</b>	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol.
<b>Source</b>	Monoclonal, Mouse
<b>Purification</b>	Affinity purification
<b>Dilution</b>	Western Blot: 1/1000 - 1/2000.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	ACSM3; SAH; Acyl-coenzyme A synthetase ACSM3; mitochondrial; Acyl-CoA synthetase medium-chain family member 3; Butyrate--CoA ligase 3; Butyryl-coenzyme A synthetase 3; Middle-chain acyl-CoA synthetase 3; Protein SA homolog
<b>Calculated Molecular Weight</b>	66kD
<b>Cell Pathway</b>	Mitochondrion . Mitochondrion matrix .
<b>Tissue Specificity</b>	Kidney,Liver,Skin,
<b>Function</b>	catalytic activity:ATP + an acid + CoA = AMP + diphosphate + an acyl-CoA.,caution:It is uncertain whether Met-1 or Met-9 is the initiator.,cofactor:Magnesium.,function:Has medium-chain fatty acid:CoA ligase activity with broad substrate specificity (in vitro). Acts on acids from C(4) to C(11) and on the corresponding 3-hydroxy- and 2,3- or 3,4-unsaturated acids (in vitro).,similarity:Belongs to the ATP-dependent AMP-binding enzyme family.,
<b>Background</b>	catalytic activity:ATP + an acid + CoA = AMP + diphosphate + an acyl-CoA.,caution:It is uncertain whether Met-1 or Met-9 is the initiator.,cofactor:Magnesium.,function:Has medium-chain fatty acid:CoA ligase activity with broad substrate specificity (in vitro). Acts on acids from C(4) to C(11) and on the corresponding 3-hydroxy- and 2,3- or 3,4-unsaturated acids (in



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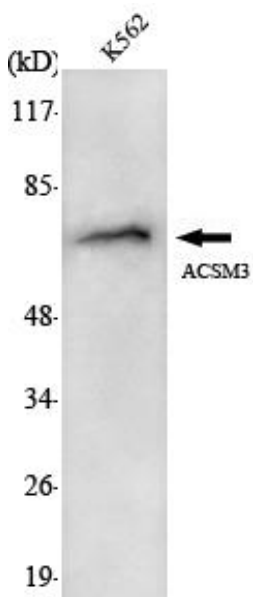
**matters needing attention**

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 using ACSM3 Monoclonal Antibody against K562 cell lysate.