



ACSA Polyclonal Antibody

Catalog No	YP-Ab-05266
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	ACSS2 ACAS2
Immunogen	Synthesized peptide derived from human protein . at AA range: 40-120
Specificity	ACSA Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ACAS2;AceCS1;Acetate--CoA ligase;Acetyl-CoA synthetase;Acetyl-CoA synthetase 1;ACSA;ACSS2 ACAS2;Acetyl-coenzyme A synthetase;cytoplasmic (EC 6.2.1.1) (Acetate--CoA ligase) (Acetyl-CoA synthetase) (ACS) (AceCS) (Acyl-CoA synthetase short-chain family member 2) (Acyl-activating enzyme)
Observed Band	79 kDa
Calculated Molecular Weight	701 aa, 79 kDa
Cell Pathway	Cytoplasm, cytosol .
Tissue Specificity	Blood,Melanoma,Muscle,Platelet,Skin,Tongue,
Function	catalytic activity:ATP + acetate + CoA = AMP + diphosphate + acetyl-CoA., function:Activates acetate so that it can be used for lipid synthesis or for energy generation.,similarity:Belongs to the ATP-dependent AMP-binding enzyme family.,subunit:Monomer.,
Background	This gene encodes a cytosolic enzyme that catalyzes the activation of acetate for use in lipid synthesis and energy generation. The protein acts as a monomer and produces acetyl-CoA from acetate in a reaction that requires ATP. Expression of this gene is regulated by sterol regulatory element-binding proteins, transcription factors that activate genes required for the synthesis of

cholesterol and unsaturated fatty acids. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2009],

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