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anti-ACSM1 antibody (N-Term)

Images



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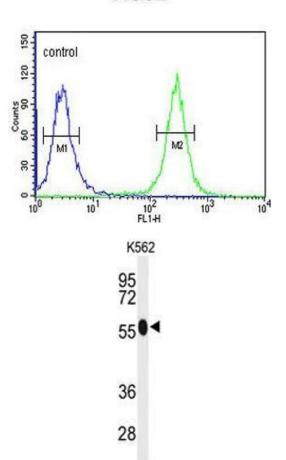
Overview		
Quantity:	0.4 mL	
Target:	ACSM1	
Binding Specificity:	AA 27-57, N-Term	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This ACSM1 antibody is un-conjugated	
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)	
Product Details		
Immunogen:	KLH conjugated synthetic peptide between 27~57 amino acids from the N-terminal region of human ACSM1	
Isotype:	Ig Fraction	
Specificity:	This antibody reacts to ACSM1.	
Cross-Reactivity (Details):	Species reactivity (tested):Human.	
Purification:	Affinity chromatography on Protein A	
Target Details		
Target:	ACSM1	
Alternative Name:	ACSM1 (ACSM1 Products)	

Target Details

Background:	ACSM1 has medium-chain fatty acid:CoA ligase activity with broad substrate specificity (in
	vitro). This protein 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). This protein functions as GTP-dependent lipoate-
	activating enzyme that generates the substrate for lipoyltransferase.Synonyms: Acyl-CoA
	synthetase medium-chain family member 1, Acyl-coenzyme A synthetase ACSM1, BUCS1,
	Butyrate-CoA ligase 1, Butyryl coenzyme A synthetase 1, LAE, Lipoate-activating enzyme,
	MACS1, Middle-chain acyl-CoA synthetase 1, mitochondrial
Gene ID:	116285
NCBI Accession:	NP_443188
Application Details	

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Application Details		
Application Notes:	Optimal working dilution should be determined by the investigator.	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	0.25 mg/mL	
Buffer:	PBS containing 0.09 % (W/V) sodium azide as preservative	
Preservative:	Sodium azide	
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Handling Advice:	Avoid repeated freezing and thawing.	
Storage:	4 °C/-20 °C	
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.	

K562



Flow Cytometry

Image 1. ACSM1 Antibody (N-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goatanti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of ACSM1 Antibody (N-term) in K562 cell line lysates (35µg/lane). ACSM1 (arrow) was detected using the purified Pab.