

Product datasheet for **TA373219**

Acetyl CoA synthetase (ACSS2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB, 1:500 - 1:2000 IF, 1:50 - 1:200
Reactivity:	Human, Mouse, Rat
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human ACSS2
Formulation:	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	78kDa/80kDa
Gene Name:	acyl-CoA synthetase short-chain family member 2
Database Link:	Entrez Gene 55902 Human Q9NR19

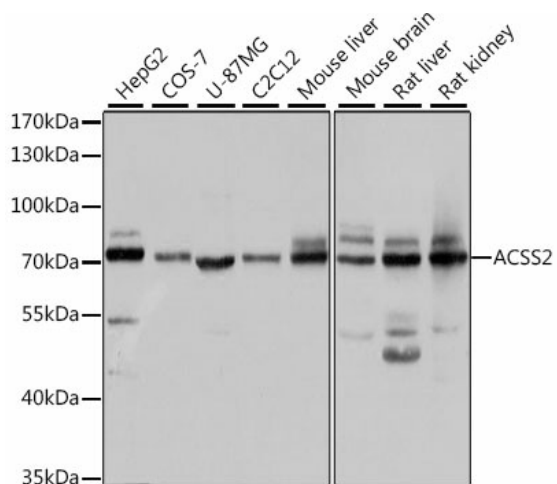
Background: This gene encodes a cytosolic enzyme that catalyzes the activation of acetate for use in lipid synthesis and energy generation. The protein acts as a monomer and produces acetyl-CoA from acetate in a reaction that requires ATP. Expression of this gene is regulated by sterol regulatory element-binding proteins, transcription factors that activate genes required for the synthesis of cholesterol and unsaturated fatty acids. Alternative splicing results in multiple transcript variants.

Synonyms: ACAS2; ACECS; ACS; ACSA; dj1161H23.1; DKFZp762G026

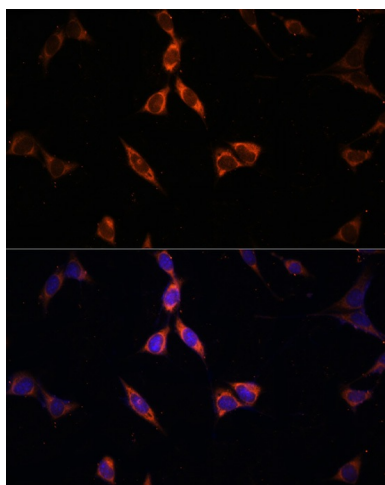


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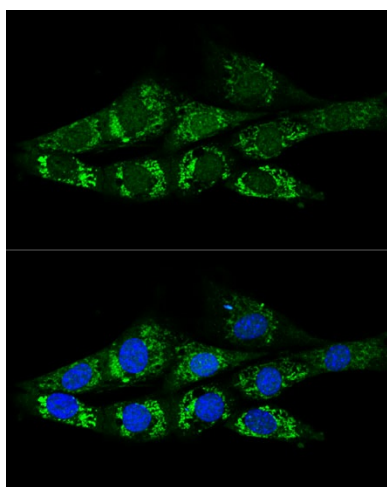
Product images:



Western blot analysis of extracts of various cell lines, using ACSS2 antibody (TA373219) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 5s.



Immunofluorescence analysis of NIH-3T3 cells using ACSS2 Rabbit pAb (TA373219) at dilution of 100 (40x lens). Blue: DAPI for nuclear staining.



Confocal immunofluorescence analysis of NIH-3T3 cells using ACSS2 Polyclonal Antibody (TA373219) at dilution of 1:200. Blue: DAPI for nuclear staining.