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Datasheet for ABIN2715696

anti-ACSS2 antibody

3 Images

Overview

Quantity:	0.1 mL
Target:	ACSS2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ACSS2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen:	Full length human recombinant protein of human ACSS2(NP_061147) produced in HEK293T cell.
Clone:	3H4
Isotype:	IgG2a
Characteristics:	Homo sapiens acyl-CoA synthetase short-chain family member 2 (ACSS2), transcript variant 1
Purification:	Purified from mouse ascites fluids by affinity chromatography

Target Details

Target:	ACSS2
Alternative Name:	ACSS2 (ACSS2 Products)
Background:	This gene encodes a cytosolic enzyme that catalyzes the activation of acetate for use in lipid

Target Details

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.

Molecular Weight: 78.4 kDa

Gene ID: 55902

NCBI Accession: [NM_018677](#)

HGNC: 55902

Application Details

Application Notes: WB 1:2000, IHC 1:150, FLOW 1:100,

Comment: The concentration of the product may vary between different lots.

Restrictions: For Research Use only

Handling

Format: Liquid

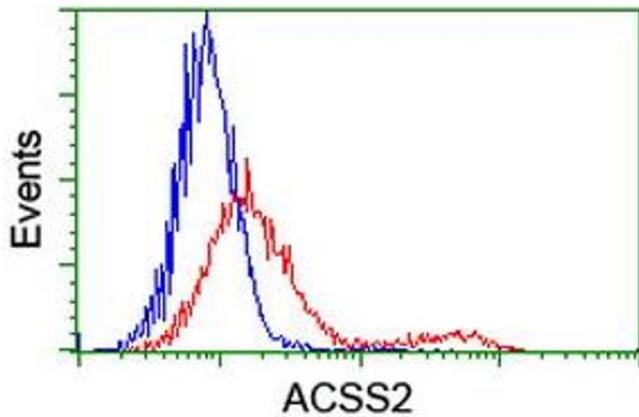
Concentration: 0.5-1.0 mg/mL

Buffer: PBS (PH 7.3) containing 1 % BSA, 50 % glycerol and 0.02 % sodium azide.

Preservative: Sodium azide

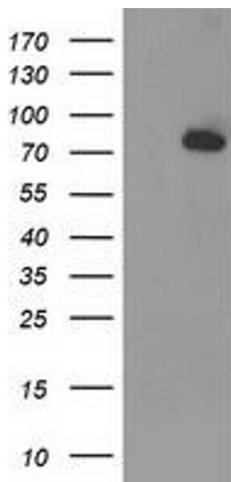
Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C



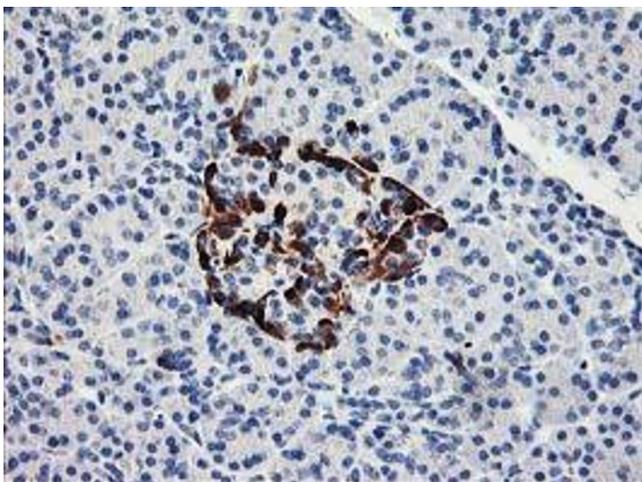
Flow Cytometry

Image 1. HEK293T cells transfected with either RC204260 overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-ACSS2 antibody (ABIN2455075), and then analyzed by flow cytometry.



Western Blotting

Image 2. HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ACSS2 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 µg per lane) were separated by SDS-PAGE and immunoblotted with anti-ACSS2.



Immunohistochemistry

Image 3. Immunohistochemical staining of paraffin-embedded Human pancreas tissue using anti-ACSS2 mouse monoclonal antibody. (ABIN2455075)