



Datasheet for ABIN4914621
anti-THEM2 antibody



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1 Image

Overview

Quantity:	100 µL
Target:	THEM2 (ACOT13)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This THEM2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This THEM2 monoclonal antibody is generated from mouse immunized with THEM2 recombinant protein.
Clone:	9C3
Isotype:	IgG1
Cross-Reactivity:	Human
Purification:	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

Target Details

Target:	THEM2 (ACOT13)
Alternative Name:	THEM2 (ACOT13 Products)

Target Details

Background: Synonyms: HT012, THEM2, PNAS-27, Acyl-coenzyme A thioesterase 13, Acyl-CoA thioesterase 13, Thioesterase superfamily member 2, ACOT13

Background: Acyl-CoA thioesterases are a group of enzymes that catalyze the hydrolysis of acyl-CoAs to the free fatty acid and coenzyme A (CoASH), providing the potential to regulate intracellular levels of acyl-CoAs, free fatty acids and CoASH. Has acyl-CoA thioesterase activity towards medium (C12) and long-chain (C18) fatty acyl-CoA substrates. Can also hydrolyze 3-hydroxyphenylacetyl-CoA and 3,4-dihydroxyphenylacetyl-CoA (in vitro). May play a role in controlling adaptive thermogenesis (By similarity).

Gene ID: 55856

UniProt: [Q9NPJ3](#)

Application Details

Application Notes: WB 1:300-5000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

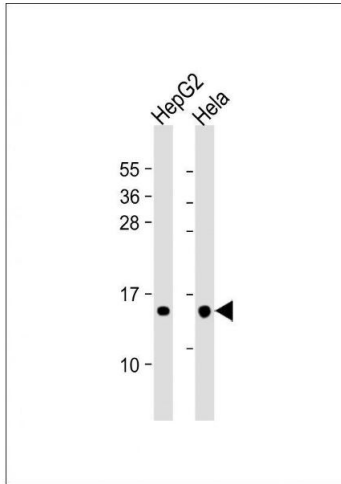
Preservative: ProClin

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

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months



Western Blotting

Image 1. Lane 1: HepG2, Lane 2: HeLa whole cell lysate at 20µg per lane, probed with bsm-51041M THEM2 (169CT7.1.3) Monoclonal Antibody at 1:1000 dilution and 4 °C *overnight incubation, followed by secondary antibody incubation for 60min at room temperature.*