

Datasheet for ABIN6991152
anti-THEM2 antibody (C-Term)



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Overview

Quantity:	0.1 mg
Target:	THEM2 (ACOT13)
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This THEM2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	THEM2 antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of human THEM2. The immunogen is located within the last 50 amino acids of THEM2.
Isotype:	IgG
Purification:	THEM2 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	THEM2 (ACOT13)
Alternative Name:	THEM2 (ACOT13 Products)
Background:	THEM2 Antibody: THEM2, also known as ACOT13, belongs to the hotdog-fold superfamily and

Target Details

possesses thioesterase activity, with greater activity observed with longer chain acyl-CoAs such as myristoyl- and palmitoyl-CoA. THEM2 is highly expressed in several tissues such as heart, kidney, liver and brain and has been shown to be co-localized with beta-tubulin on microtubules. THEM2 interacts with StarD, a protein that plays a key role in fatty acid metabolism, and the addition of StarD to THEM2 increased its catalytic activity, suggesting that THEM2 plays a significant role in the metabolism of fatty acids. At least two isoforms of THEM2 are known to exist.

Gene ID: 55856

NCBI Accession: [NP_060943](#)

UniProt: [Q9NPJ3](#)

Application Details

Application Notes: THEM2 antibody can be used for detection of THEM2 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: THEM2 Antibody is supplied in PBS containing 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, 4 °C

Storage Comment: THEM2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.