BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
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Anti-THEM2 ACOT13 Antibody

Catalog Number: A07288-1

About ACOT13

THEM2, also known as ACOT13, belongs to the hotdog-fold superfamily and 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.

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Overview

Product Name	Anti-THEM2 ACOT13 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-THEM2 ACOT13 Antibody (Catalog # A07288-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	THEM2 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	THEM2 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9NPJ3

Technical Details

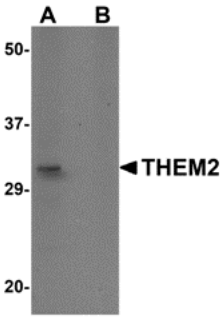
Immunogen	THEM2 antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of human THEM2. The immunogen is located within the last 50 amino acids of THEM2.
Predicted Reactive Species	Rat
Isotype	IgG

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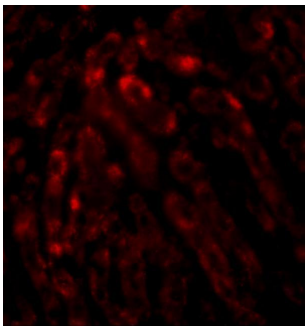
Form	Liquid
Concentration	1 mg/mL
Purification	THEM2 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	THEM2 antibody can be used for detection of THEM2 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/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. Optimal dilutions for each application should be determined by the researcher.

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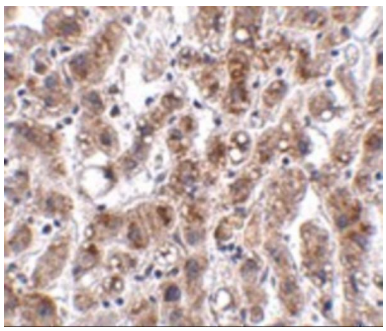
Anti-THEM2 ACOT13 Antibody (A07288-1) Images



Western blot analysis of THEM2 in HepG2 cell lysate with THEM2 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunofluorescence of THEM2 in human liver tissue with THEM2 antibody at 20 ug/mL.



Immunohistochemistry of THEM2 in human liver tissue with THEM2 antibody at 2.5 ug/mL.

Anti-THEM2 ACOT13 Antibody

For Research Use Only. Not for use in diagnostic procedures.