

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.

Overview

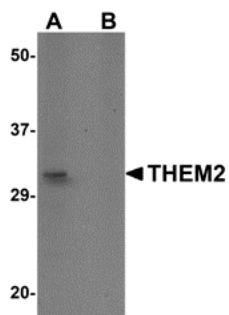
Product Name	Anti-THEM2 ACOT13 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-THEM2 ACOT13 Antibody (Catalog # A07288-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	THEM2 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	THEM2 antibody can be stored at 4°C for three months and -20°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

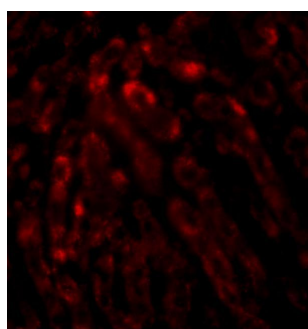
Immunogen	THEM2 antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of human THEM2. The immunogen is located within the last 50 amino acids of THEM2.
Predicted Reactive Species	Rat
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	THEM2 Antibody is affinity 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.

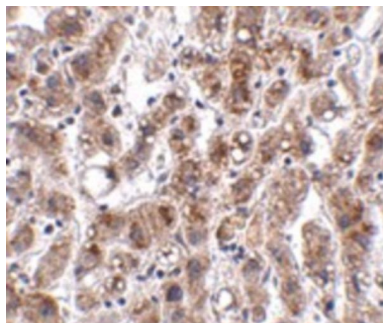
Anti-THEM2 ACOT13 Antibody (A07288-1) Images



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.

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Anti-THEM2 ACOT13 Antibody

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