

Rabbit THEM2 Polyclonal Antibody | anti-THEM2 antibody

THEM2 Antibody

CATALOG # AAA300960	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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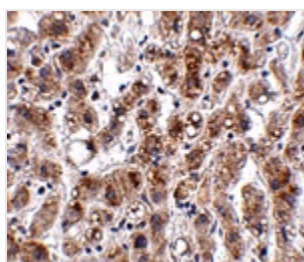
PRODUCT SYNONYMS

THEM2; Polyclonal Antibody; THEM2 Antibody; Thioesterase superfamily member 2; Acyl-CoA thioesterase 13; ACOT13; PNAS-27; anti-THEM2 antibody

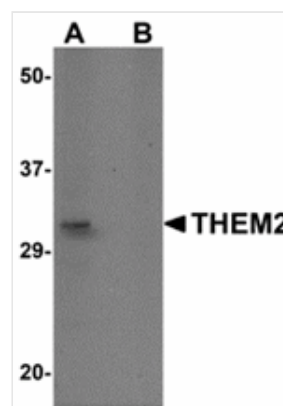
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	140
Applicable Applications for anti-THEM2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide near the carboxy terminus of human THEM2.
Target Name	THEM2
Preparation and Storage	Can be stored at -20 degree C, stable for 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.

IMAGES


IHC (Immunohistochemistry)

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


WB (Western Blot)

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.

ADDITIONAL INFORMATION

Related Product Information for anti-THEM2 antibody	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.
Product Categories/Family for anti-THEM2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	8923812
NCBI GeneID	55856
NCBI Accession #	NP_060943
NCBI GenBank Nucleotide #	NM_018473.3
Molecular Weight	12,366 Da
NCBI Official Full Name	acyl-coenzyme A thioesterase 13 isoform 1
NCBI Official Synonym Full Names	acyl-CoA thioesterase 13
NCBI Official Symbol	ACOT13
NCBI Official Synonym Symbols	HT012; THEM2; PNAS-27
NCBI Protein Information	acyl-coenzyme A thioesterase 13
UniProt Protein Name	Acyl-coenzyme A thioesterase 13
UniProt Gene Name	ACOT13
UniProt Synonym Gene Names	THEM2; Acyl-CoA thioesterase 13
UniProt Entry Name	ACO13_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/them2-antibody-immunohistochemistry-western-blot-elisa/300960>