OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA306805

THEM2 (ACOT13) Rabbit Polyclonal Antibody

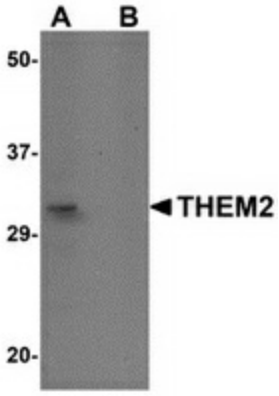
Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	THEM2 antibody was raised against a 17 amino acid peptide near the carboxy terminus of human THEM2.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	acyl-CoA thioesterase 13
Database Link:	NP_060943 Entrez Gene 55856 Human Q9NPJ3
Background:	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.
Synonyms:	HT012; PNAS-27; THEM2

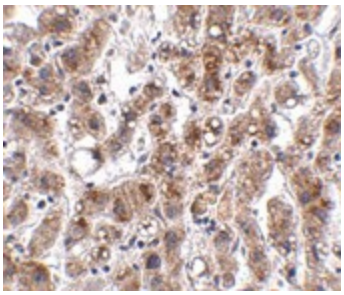
View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

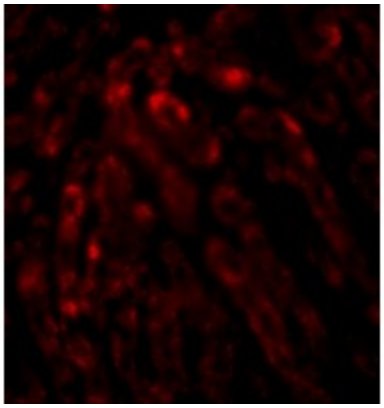
Product images:



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.



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



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

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US