



Datasheet for ABIN500903
anti-THEM2 antibody (C-Term)



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2 Images

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), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	THEM2 antibody was raised against a 17 amino acid peptide near the carboxy terminus of human THEM2.
Isotype:	IgG
Specificity:	This antibody detects THEM2 / ACOT13.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	THEM2 (ACOT13)
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Target Details

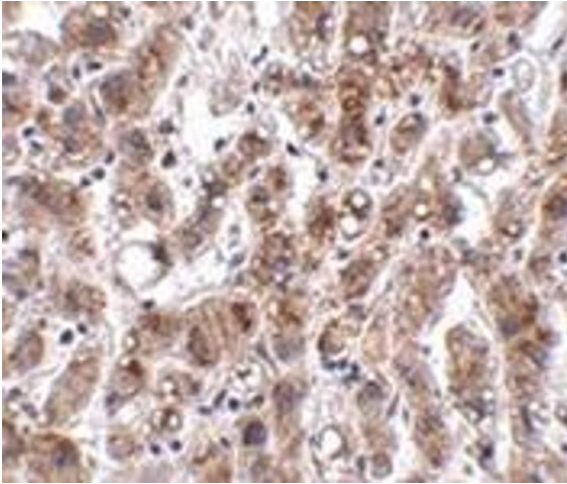
Alternative Name:	THEM2 / ACOT13 (ACOT13 Products)
Background:	<p>THEM2, also known as ACOT13, belongs to the hotdog-fold superfamily and possesses thioesterase activity, with greater activity observed with longer chain acyl-CoAs such as myristoyl- and palmitoyl-CoA. THEM2 is highly expressed in several 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: Acyl-CoA thioesterase 13, Acyl-coenzyme A thioesterase 13, HT012, PNAS-27, Thioesterase superfamily member 2</p>
Gene ID:	55856
NCBI Accession:	NP_060943

Application Details

Application Notes:	<p>ELISA. Western blot. Immunohistochemistry on paraffin sections.</p> <p>Other applications not tested.</p> <p>Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Restrictions:	For Research Use only

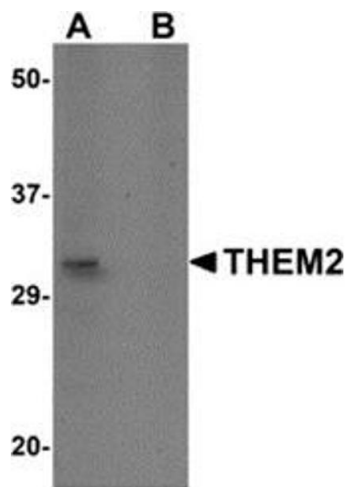
Handling

Buffer:	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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of THEM2 in human liver tissue with this product at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of THEM2 in HepG2 cell lysate with this product at 1 µg/ml in (A) the absence and (B) the presence of blocking peptide.