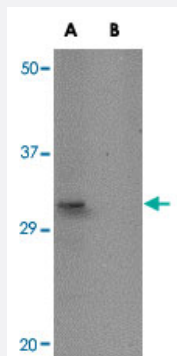


ACOT13 polyclonal antibody

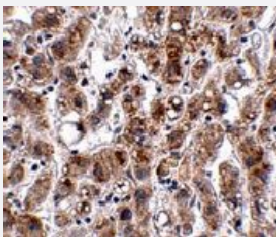
Catalog # PAB16788 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of ACOT13 in HepG2 cell lysate with ACOT13 polyclonal antibody (Cat # PAB16788) at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry

Immunohistochemistry of ACOT13 in human liver tissue with ACOT13 polyclonal antibody (Cat # PAB16788) at 2.5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ACOT13.
Immunogen	A synthetic peptide corresponding to C-terminus 17 amino acids of human ACOT13.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of ACOT13 in HepG2 cell lysate with ACOT13 polyclonal antibody (Cat # PAB16788) at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.

- Immunohistochemistry

Immunohistochemistry of ACOT13 in human liver tissue with ACOT13 polyclonal antibody (Cat # PAB16788) at 2.5 ug/mL .

- Enzyme-linked Immunoabsorbent Assay

Gene Info — THEM2

Entrez GeneID	55856
Protein Accession#	NP_060943
Gene Name	THEM2
Gene Alias	HT012, MGC4961, PNAS-27
Gene Description	thioesterase superfamily member 2
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the thioesterase superfamily. In humans, the protein co-localizes with microtubules and is essential for sustained cell proliferation. The orthologous mouse protein forms a homotetramer and is associated with mitochondria. The mouse protein functions as a medium- and long-chain acyl-CoA thioesterase. Multiple transcript variants encoding different isoforms have been found for this gene
Other Designations	15 Kd protein OTTHUMP00000016090 OTTHUMP00000039398 hypothalamus protein HT012

Publication Reference

- [Thioesterase superfamily member 2 \(Them2\)/acyl-CoA thioesterase 13 \(Acot13\): a homotetrameric hotdog fold thioesterase with selectivity for long-chain fatty acyl-CoAs.](#)

Wei J, Kang HW, Cohen DE.

The Biochemical Journal 2009 Jun; 421(2):311.

- [Regulation of energy substrate utilization and hepatic insulin sensitivity by phosphatidylcholine transfer protein/StarD2.](#)

Scapa EF, Pocai A, Wu MK, Gutierrez-Juarez R, Glenz L, Kanno K, Li H, Biddinger S, Jelicks LA, Rossetti L, Cohen DE.

FASEB Journal 2008 Jul; 22(7):2579.

- [Human thioesterase superfamily member 2 \(hTHEM2\) is co-localized with beta-tubulin onto the microtubule.](#)

Cheng Z, Bao S, Shan X, Xu H, Gong W.

Biochemical and Biophysical Research Communications 2006 Dec; 350(4):850.

Application: IF, WB, Human, HCT-116, U2-OS cells

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian cancer](#)