10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

THEM5 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17858C

Specification

THEM5 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q8N1Q8
Other Accession	NP_872384.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**27677**
Antigen Region	**71-99**

THEM5 Antibody (Center) - Additional Information

Gene ID 284486

Other Names
Acyl-coenzyme A thioesterase THEM5, Acyl-CoA thioesterase THEM5, Acyl-coenzyme A thioesterase 15, Thioesterase superfamily member 5, THEM5, ACOT15

Target/Specificity
This THEM5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 71-99 amino acids from the Central region of human THEM5.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
THEM5 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

THEM5 Antibody (Center) - Protein Information

Name THEM5

Synonyms ACOT15

Function Has acyl-CoA thioesterase activity towards long-chain (C16 and C18) fatty acyl-CoA substrates, with a preference for linoleoyl-CoA and other unsaturated long-chain fatty acid-CoA esters (PubMed:22586271). Plays an important role in mitochondrial fatty acid metabolism, and in remodeling of the mitochondrial lipid cardiolipin (PubMed:22586271). Required for normal mitochondrial function (PubMed:22586271).

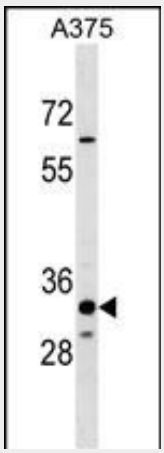
Cellular Location
Mitochondrion matrix

THEM5 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

THEM5 Antibody (Center) - Images



THEM5 Antibody (Center) (Cat. #AP17858c) western blot analysis in A375 cell line lysates (35ug/lane).This demonstrates the THEM5 antibody detected the THEM5 protein (arrow).

THEM5 Antibody (Center) - Background

THEM5 is an enzyme with hydrolase activity.

THEM5 Antibody (Center) - References

Davila, S., et al. Genes Immun. 11(3):232-238(2010)