

**ACOT11 / THEA Antibody (aa19-250, clone J4B2)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS12576****Specification**

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**ACOT11 / THEA Antibody (aa19-250, clone J4B2) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC, WB                |
| Primary Accession | <a href="#">Q8WXI4</a> |
| Reactivity        | Human                  |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Calculated MW     | 68kDa KDa              |

**ACOT11 / THEA Antibody (aa19-250, clone J4B2) - Additional Information****Gene ID** 26027**Other Names**

Acyl-coenzyme A thioesterase 11, Acyl-CoA thioesterase 11, 3.1.2.-, Acyl-CoA thioester hydrolase 11, Adipose-associated thioesterase, Brown fat-inducible thioesterase, BFIT, ACOT11, BFIT, KIAA0707, THEA

**Reconstitution & Storage**

Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

**Precautions**

ACOT11 / THEA Antibody (aa19-250, clone J4B2) is for research use only and not for use in diagnostic or therapeutic procedures.

**ACOT11 / THEA Antibody (aa19-250, clone J4B2) - Protein Information****Name** ACOT11**Synonyms** BFIT, KIAA0707, THEA**Function**

Has an acyl-CoA thioesterase activity with a preference for the long chain fatty acyl-CoA thioesters hexadecanoyl-CoA/palmitoyl-CoA and tetradecanoyl-CoA/myristoyl-CoA which are the main substrates in the mitochondrial beta-oxidation pathway.

**Cellular Location**

Mitochondrion matrix. Cytoplasm

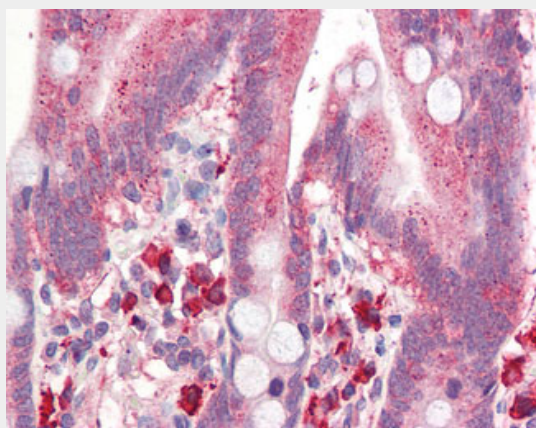
**Tissue Location**

Isoform 1 is predominantly expressed in skeletal muscle, liver, testis, stomach, spleen, lung and brain. Isoform 2 is predominantly expressed in kidney, uterus, hibernoma and white adipose tissue

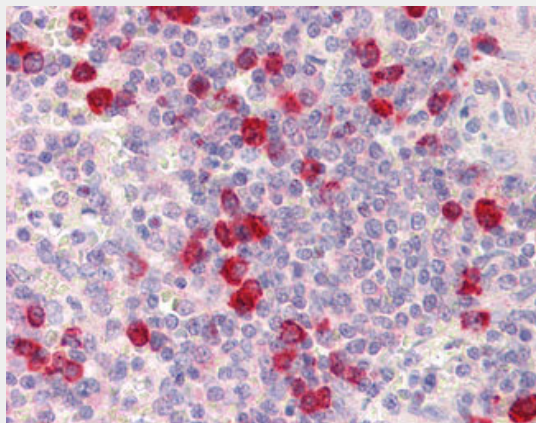
**ACOT11 / THEA Antibody (aa19-250, clone J4B2) - Protocols**

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

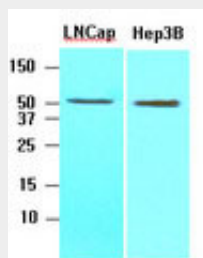
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**ACOT11 / THEA Antibody (aa19-250, clone J4B2) - Images**

Anti-ACOT11 antibody IHC of human small intestine.



Anti-ACOT11 antibody IHC of human spleen.



Cell lysates of LNCap, Hep3B (30 ug) were resolved by SDS-PAGE, transferred to NC membrane

and...

#### **ACOT11 / THEA Antibody (aa19-250, clone J4B2) - Background**

Has acyl-CoA thioesterase activity towards medium (C12) and long-chain (C18) fatty acyl-CoA substrates.

#### **ACOT11 / THEA Antibody (aa19-250, clone J4B2) - References**

Adams S.H.,et al.Biochem. J. 360:135-142(2001).  
Ishikawa K.,et al.DNA Res. 5:169-176(1998).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Totoki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.  
Gregory S.G.,et al.Nature 441:315-321(2006).