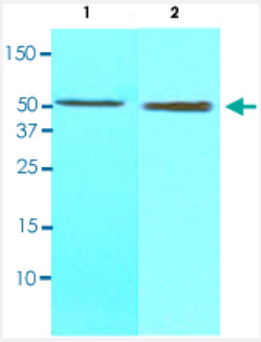
ACOT11 monoclonal antibody, clone J4B2

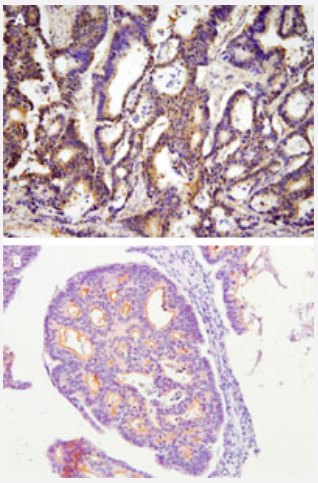
Catalog # MAB1770 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Lane 1: LNCap cell lysate, Lane 2: Hep3B cell lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of human colon cancer tissue were incubated with ACOT11 monoclonal antibody, clone J4B2 (Cat # MAB1770) (1:100) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant ACOT11.
Immunogen	Recombinant protein corresponding to amino acids 19-250 of human ACOT11.
Host	Mouse
Reactivity	Human
Form	Liquid

Purification	Protein G purification
Isotype	IgG2b, kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Recommend Usage	ELISA Immunohistochemistry Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of Lane 1: LNCap cell lysate, Lane 2: Hep3B cell lysate.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemistry of human colon cancer tissue were incubated with ACOT11 monoclonal antibody, clone J4B2 (Cat # MAB1770) (1:100) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — ACOT11

Entrez GeneID	26027
Protein Accession#	Q8WXI4
Gene Name	ACOT11
Gene Alias	BFIT, BFIT1, BFIT2, KIAA0707, STARD14, THEA, THEM1
Gene Description	acyl-CoA thioesterase 11
Omim ID	606803

Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein with acyl-CoA thioesterase activity towards medium (C12) and long-chain (C18) fatty acyl-CoA substrates. Expression of a similar murine protein in brown adipose tis sue is induced by cold exposure and repressed by warmth. Expression of the mouse protein has been associated with obesity, with higher expression found in obesity-resistant mice compared w ith obesity-prone mice. Alternative splicing results in two transcript variants encoding different isof orms. [provided by RefSeq
Other Designations	OTTHUMP00000011526|OTTHUMP00000011527|OTTHUMP00000046722|START domain con taining 14|StAR-related lipid transfer (START) domain containing 14|brown fat inducible thioester ase|thioesterase superfamily member 1|thioesterase, adipose associated

Publication Reference

- BFIT, a unique acyl-CoA thioesterase induced in thermogenic brown adipose tissue: cloning, organization of the human gene and assessment of a potential link to obesity.

  Adams SH, Chui C, Schilbach SL, Yu XX, Goddard AD, Grimaldi JC, Lee J, Dowd P, Colman S, Lewin DA.

  The Biochemical Journal 2001 Nov; 360(Pt 1):135.

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Tobacco Use Disorder