

## Monoclonal anti-human ACOT11 antibody (clone J4B2)

Mouse IgG<sub>2b</sub>, κ

Cat. No. IBAFA0903

**Immunogen:** Recombinant human ACOT11 (19-250aa) purified from *E. coli*

**NCBI Accession No.:** NP\_671517

**Isotype:** Mouse IgG<sub>2b</sub> heavy chain and κ light chain

**Clone:** Anti-human ACOT11 mAb, clone J4B2, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human ACOT11 protein.

**Description:** ACOT11 (Acyl-CoA thioesterase11), also known as BFIT, is a protein with acyl-CoA thioesterase activity towards medium (C12) and long-chain (C18) fatty acyl-CoA substrates. Expression of this protein in mouse has been associated with obesity and alternative splicing results in two transcript variants encoding different isoforms.

**Concentration:** 1mg/ml

**Form:** Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol.

**Storage:** Can be stored at +4°C. For long term storage, aliquot and store at -20°C. Avoid repeated freezing and thawing cycles.

**Usage:** The antibody has been tested by ELISA, Western blot and immunohistochemistry analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot is 1:500 ~ 1:2,000 and immunohistochemistry analysis is 1:50~100.

Recommended starting dilution for Western blot is 1:1,000 and Immunohistochemistry is 1:100.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



Manufactured for:

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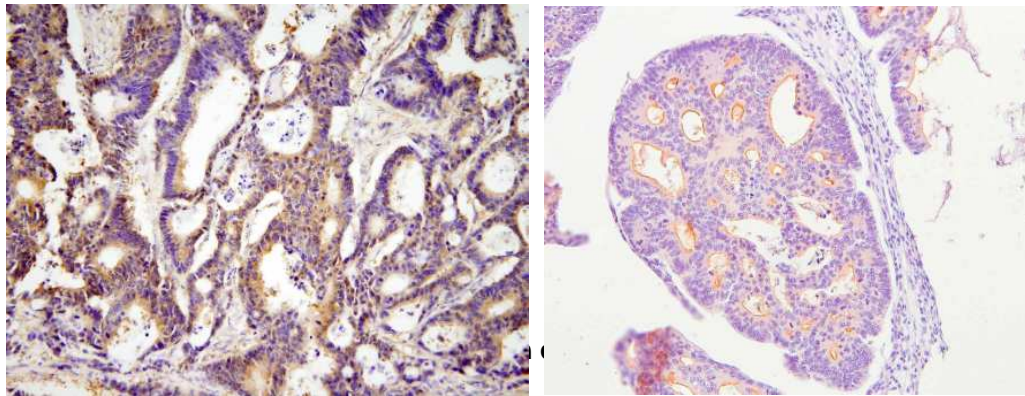
Email: [info@ibl-america.com](mailto:info@ibl-america.com) Web: [www.ibl-america.com](http://www.ibl-america.com)

# Product information

**Application:** ELISA, WB, IHC

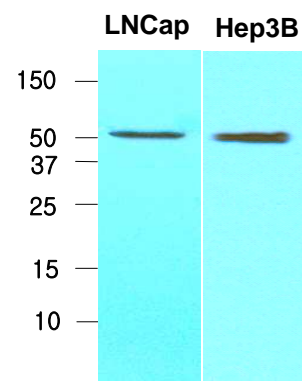
## Immunohistochemistry

Paraffin embedded sections of human colon cancer tissue were incubated with anti-human ACOT11 (1:100) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB)



## Western blot analysis

Cell lysates of LNCap, Hep3B (30ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human ACOT11 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



**General references:** S. H. Adams, *et al.* (2001) *Biochem. J.* **360**, 135-142

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