

Product datasheet

Anti-ACOT12 antibody [1B9] ab123928

11 Images

Overview

Product name	Anti-ACOT12 antibody [1B9]
Description	Mouse monoclonal [1B9] to ACOT12
Host species	Mouse
Tested applications	Suitable for: WB, IHC-P, Flow Cyt
Species reactivity	Reacts with: Human, Monkey
Immunogen	Recombinant full length Human ACOT12 produced in HEK293T cells (NP_570123).
Positive control	HEK293T cells transfected with pCMV6-ENTRY ACOT12 cDNA; HepG2, HeLa, HT29, A549 and COS7 cell extracts; Human colon adenocarcinoma, kidney, liver, prostate, lymph node and lymphoma tissues; HeLa cells.
General notes	Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 48% PBS, 50% Glycerol, 1% BSA
Purity	Protein A purified
Purification notes	an123928 is purified from Mouse ascites fluid by affinity chromatography.
Clonality	Monoclonal
Clone number	1B9
Isotype	IgG2a

Applications

Our [Abpromise guarantee](#) covers the use of **ab123928** in the following tested applications.

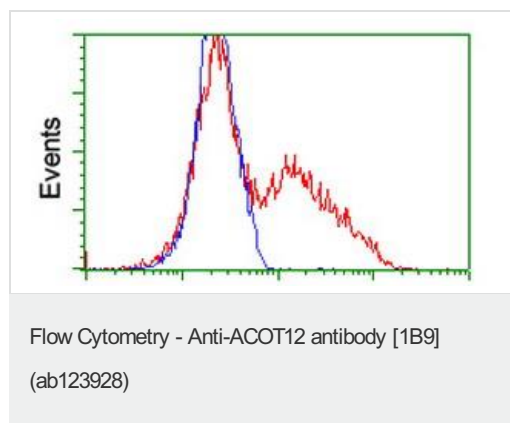
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/2000. Predicted molecular weight: 62 kDa.
IHC-P		1/150.
Flow Cyt		1/100. ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

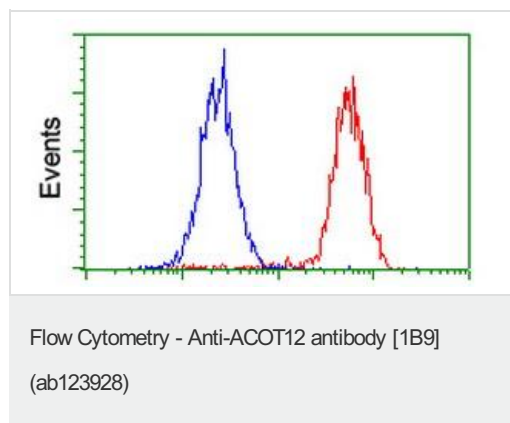
Target

Function	Hydrolyzes acetyl-CoA to acetate and CoA.
Pathway	Carbohydrate metabolism; pyruvate metabolism.
Sequence similarities	Contains 2 acyl coenzyme A hydrolase domains. Contains 1 START domain.
Cellular localization	Cytoplasm.

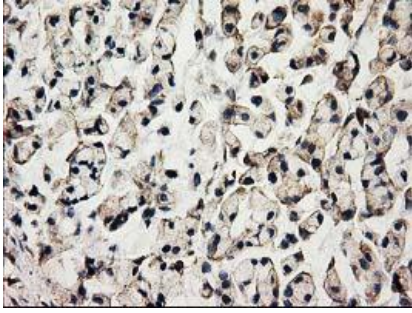
Images



ab123928 at 1/100 dilution staining ACOT12 in HEK293T cells transfected with either pCMV6-ENTRY ACOT12 (Red) or empty vector control plasmid (Blue) by flow cytometry.

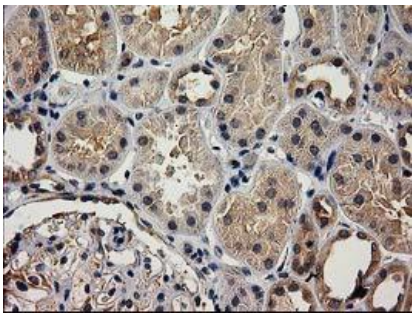


ab123928 at 1/100 dilution staining ACOT12 in HeLa cells by Flow cytometry (Red) compared to a nonspecific negative control antibody (Blue).



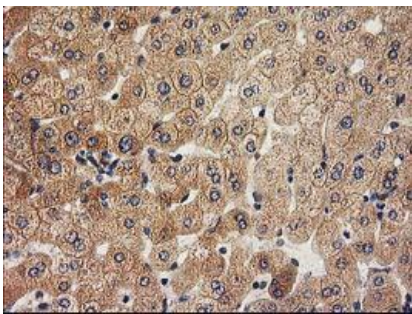
ab123928 at 1/150 dilution staining ACOT12 in Paraffin-embedded Human Colon adenocarcinoma tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACOT12 antibody [1B9] (ab123928)



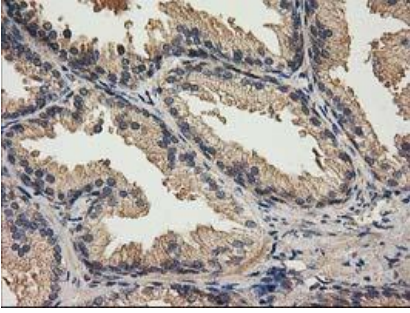
ab123928 at 1/150 dilution staining ACOT12 in Paraffin-embedded Human Kidney tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACOT12 antibody [1B9] (ab123928)



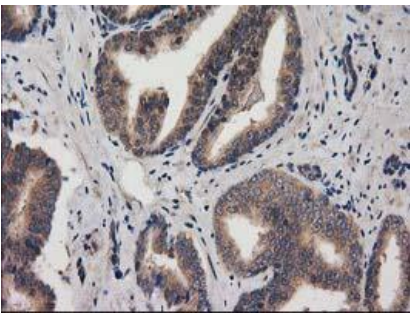
ab123928 at 1/150 dilution staining ACOT12 in Paraffin-embedded Human Liver tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACOT12 antibody [1B9] (ab123928)



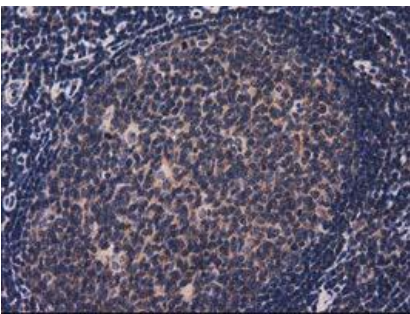
ab123928 at 1/150 dilution staining ACOT12 in Paraffin-embedded Human Prostate tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACOT12 antibody [1B9] (ab123928)



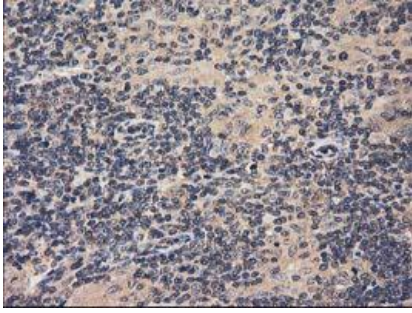
ab123928 at 1/150 dilution staining ACOT12 in Paraffin-embedded Human Prostate carcinoma tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACOT12 antibody [1B9] (ab123928)



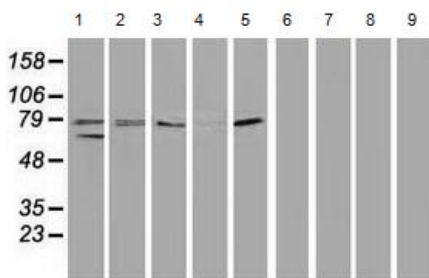
ab123928 at 1/150 dilution staining ACOT12 in Paraffin-embedded Human Lymph node tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACOT12 antibody [1B9] (ab123928)



ab123928 at 1/150 dilution staining ACOT12 in Paraffin-embedded Human Lymphoma tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACOT12 antibody [1B9] (ab123928)



Western blot - Anti-ACOT12 antibody [1B9] (ab123928)

All lanes : Anti-ACOT12 antibody [1B9] (ab123928) at 1/500 dilution

Lane 1 : HepG2 cell extract

Lane 2 : HeLa cell extract

Lane 3 : HT29 cell extract

Lane 4 : A549 cell extract

Lane 5 : COS7 cell extract

Lane 6 : Jurkat cell extract

Lane 7 : MDCK cell extract

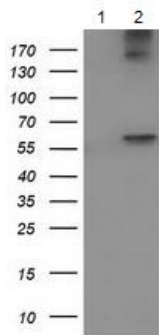
Lane 8 : PC12 cell extract

Lane 9 : MCF7 cell extract

Lysates/proteins at 35 µg per lane.

Predicted band size: 62 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC205086)



Western blot - Anti-ACOT12 antibody [1B9]
(ab123928)

All lanes : Anti-ACOT12 antibody [1B9]
(ab123928) at 1/500 dilution

Lane 1 : HEK293T cells transfected with
pCMV6-ENTRY control cDNA

Lane 2 : HEK293T cells transfected with
pCMV6-ENTRY ACOT12 cDNA

Lysates/proteins at 5 µg per lane.

Predicted band size: 62 kDa

HEK293T cell lysates were generated from
transient transfection of the cDNA clone
(RC205086)

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