

Product datasheet

Anti-ACOT12 antibody [1B9] ab123928

11 Images

Overview

<b>Product name</b>	Anti-ACOT12 antibody [1B9]
<b>Description</b>	Mouse monoclonal [1B9] to ACOT12
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human, Monkey
<b>Immunogen</b>	Recombinant full length Human ACOT12 produced in HEK293T cells (NP_570123).
<b>Positive control</b>	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.
<b>General notes</b>	Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt.

Properties

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

Applications

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

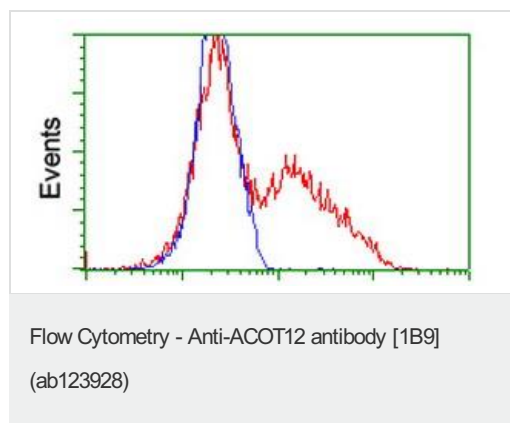
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

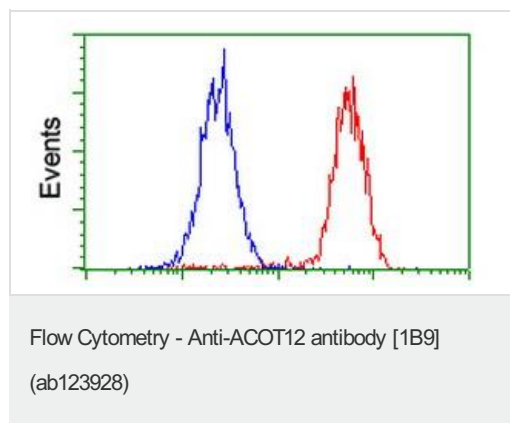
## Target

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

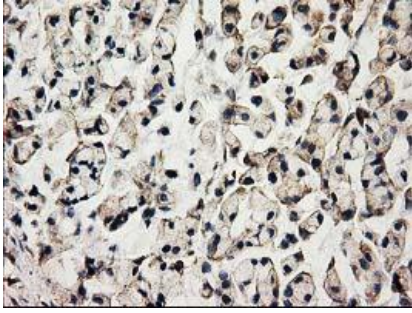
## Images



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.

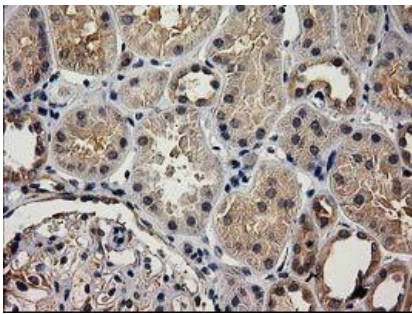


ab123928 at 1/100 dilution staining ACOT12 in HeLa cells by Flow cytometry (Red) compared to a nonspecific negative control antibody (Blue).



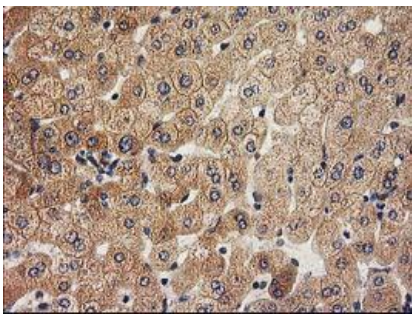
ab123928 at 1/150 dilution staining ACOT12 in Paraffin-embedded Human Colon adenocarcinoma tissue by Immunohistochemistry.

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



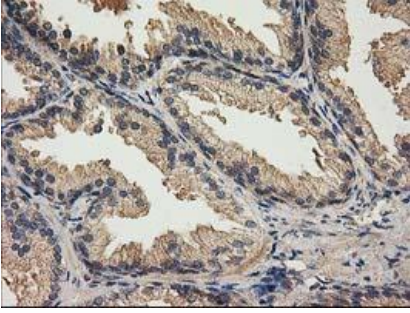
ab123928 at 1/150 dilution staining ACOT12 in Paraffin-embedded Human Kidney tissue by Immunohistochemistry.

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



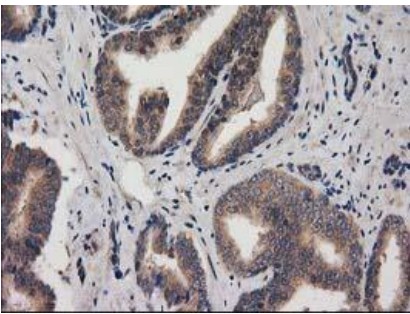
ab123928 at 1/150 dilution staining ACOT12 in Paraffin-embedded Human Liver tissue by Immunohistochemistry.

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



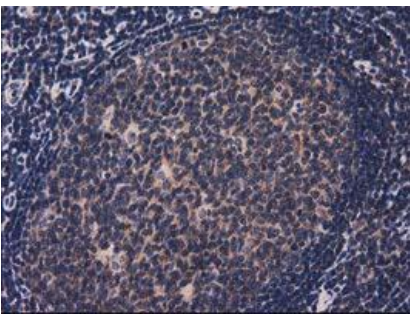
ab123928 at 1/150 dilution staining ACOT12 in Paraffin-embedded Human Prostate tissue by Immunohistochemistry.

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



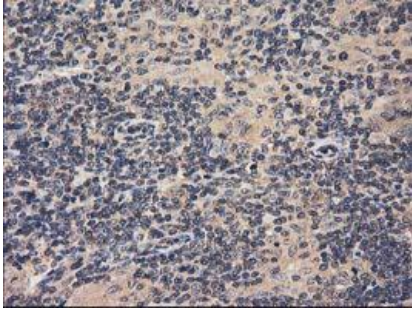
ab123928 at 1/150 dilution staining ACOT12 in Paraffin-embedded Human Prostate carcinoma tissue by Immunohistochemistry.

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



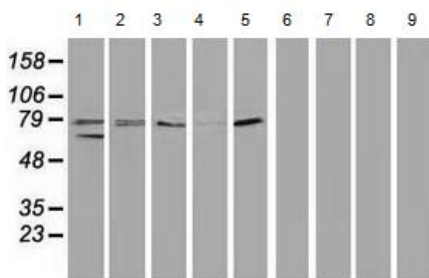
ab123928 at 1/150 dilution staining ACOT12 in Paraffin-embedded Human Lymph node tissue by Immunohistochemistry.

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)

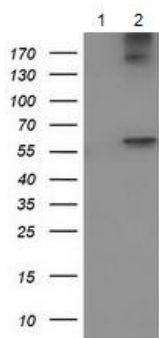
**All lanes :** Anti-ACOT12 antibody [1B9] (ab123928) at 1/500 dilution

- 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)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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