Datasheet for ABIN6136442

anti-ACOX1 antibody (AA 1-270)

3 Images | 2 Publications

Go to Product page

Overview

Quantity:	100 µL
Target:	ACOX1
Binding Specificity:	AA 1-270
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACOX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-270 of human ACOX1 (NP_004026.2).
Sequence:	MNPDLRRERD SASFNPELLT HILDGSPEKT RRRREIENMI LNDPDFQHED LNFLTRSQRY EVAVRKSAIM VKKMREFGIA DPDEIMWFKN FVHRGRPEPL DLHLGMFLPT LLHQATAEQQ ERFFMPAWNL EIIGTYAQTE MGHGTHLRGL ETTATYDPET QEFILNSPTV TSIKWWPGGL GKTSNHAIVL AQLITKGKCY GLHAFIVPIR EIGTHKPLPG ITVGDIGPKF GYDEIDNGYL KMDNHRIPRE NMLMKYAQVK PDGTYVKPLS
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	ACOX1
Alternative Name:	ACOX1 (ACOX1 Products)
Background:	The protein encoded by this gene is the first enzyme of the fatty acid beta-oxidation pathway, which catalyzes the desaturation of acyl-CoAs to 2-trans-enoyl-CoAs. It donates electrons directly to molecular oxygen, thereby producing hydrogen peroxide. Defects in this gene result in pseudoneonatal adrenoleukodystrophy, a disease that is characterized by accumulation of very long chain fatty acids. Alternatively spliced transcript variants encoding different isoforms have been identified.,ACOX1,ACOX,PALMCOX,SCOX,Cancer,Signal Transduction,Endocrine & Metabolism,Lipid Metabolism,Cardiovascular,Lipids,Fatty Acids,ACOX1
Molecular Weight:	70 kDa/74 kDa
Gene ID:	51
UniProt:	Q15067
Pathways:	Regulation of Lipid Metabolism by PPARalpha, Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:100 - 1:200,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

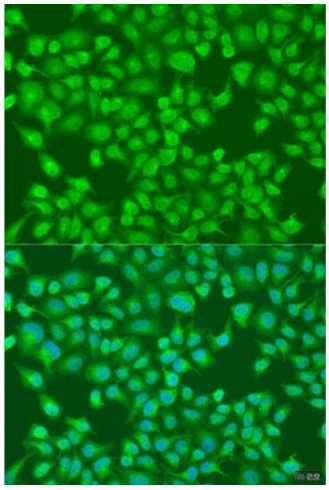
Publications

Product cited in:	Liu, Lou, Li, Xu, Ruan, Xiao, Qiu, Bao, Yuan, Huang, Wang, Cao, Chen, Yang, Zhang: "Calpain and

Publications

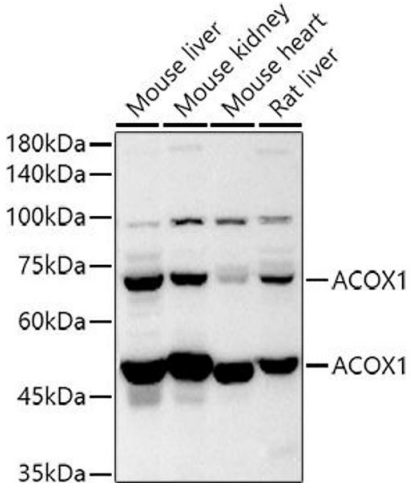
AR-V7: Two potential therapeutic targets to overcome acquired docetaxel resistance in castration-resistant prostate cancer cells." in: **Oncology reports**, Vol. 37, Issue 6, pp. 3651-3659, (2018) (PubMed).

Images



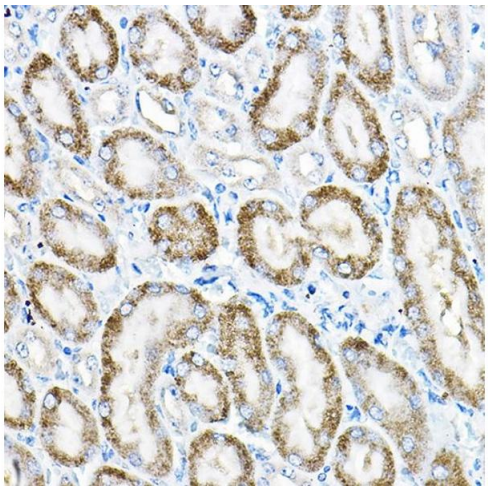
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human liver using Rabbit pAb (ABIN6131168, ABIN6136442, ABIN6136443 and ABIN6224114) at dilution of 1:25 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using antibody (ABIN6131168, ABIN6136442, ABIN6136443 and ABIN6224114) at 1:500 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human liver cancer using Rabbit pAb (ABIN6131168, ABIN6136442, ABIN6136443 and ABIN6224114) at dilution of 1:25 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.