ACOX1 Rabbit mAb

Catalog NO.: A22366 Recombinant

Basic Information

Observed MW
50kDa/74kDa

Calculated MW
74kDa

Category
Monoclonal Antibodies

Applications
WB, IHC-P, IF/ICC, ELISA

Cross-Reactivity
Human, Mouse, Rat

Conjugation
Unconjugated

Clone number
ARC53109

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.

Recommended Dilutions

WB	1:50000 - 1:400000
IHC-P	1:500 - 1:1000
IF/ICC	1:500 - 1:1000

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
51

Swiss Prot
Q15067

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
AOX; ACOX; SCOX; MITCH; PALMCOX; ACOX1

Contact

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

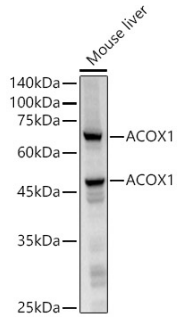
Source
Rabbit

Isotype
IgG

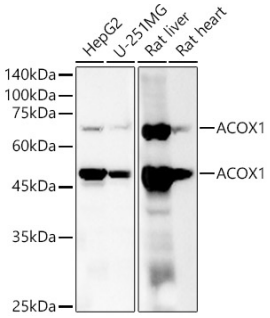
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

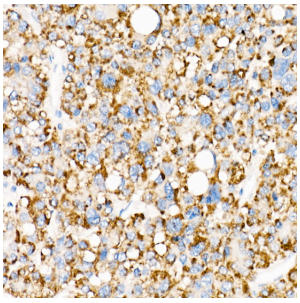
Validation Data

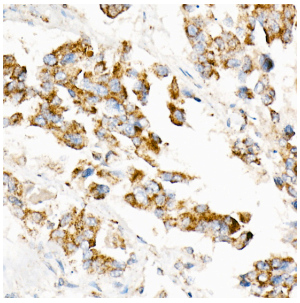


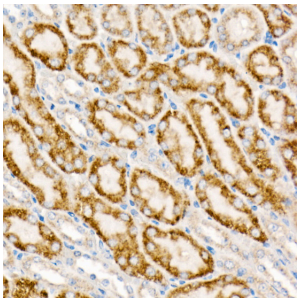
Western blot analysis of lysates from Mouse liver, using ACOX1 Rabbit mAb (A22366) at 1:120000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3s.



Western blot analysis of various lysates, using ACOX1 Rabbit mAb (A22366) at 1:120000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.





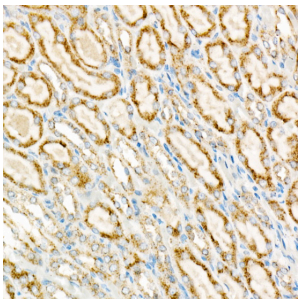


Immunohistochemistry analysis of paraffin-embedded Human liver cancer using ACOX1 Rabbit mAb (A22366) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

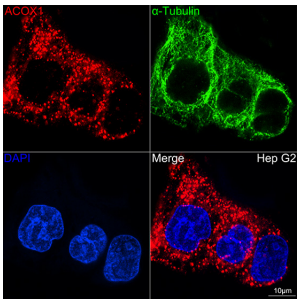
Immunohistochemistry analysis of paraffin-embedded Human lung cancer using ACOX1 Rabbit mAb (A22366) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Mouse kidney using ACOX1 Rabbit mAb (A22366) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Rat kidney using ACOX1 Rabbit mAb (A22366) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Confocal imaging of Hep G2 cells using ACOX1 Rabbit mAb (A22366,dilution 1:600)(Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012,dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 60x.

For research use only. Not for therapeutic or diagnostic purposes.

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