

HACL1 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS15230**Specification**

HACL1 Antibody - Product Information

Application	WB, IHC
Primary Accession	O9UJ83
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64kDa KDa

HACL1 Antibody - Additional Information**Gene ID** 26061**Other Names**

2-hydroxyacyl-CoA lyase 1, 4.1.-.-, 2-hydroxyphytanoyl-CoA lyase, 2-HPCL, Phytanoyl-CoA 2-hydroxylase 2, HACL1, HPCL, HPCL2, PHYH2

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

HACL1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

HACL1 Antibody - Protein Information**Name** HACL1 ([HGNC:17856](#))**Synonyms** HPCL, HPCL2, PHYH2**Function**

Peroxisomal 2-OH acyl-CoA lyase involved in the cleavage (C1 removal) reaction in the fatty acid alpha-oxydation in a thiamine pyrophosphate (TPP)-dependent manner (PubMed: [28289220](http://www.uniprot.org/citations/28289220), PubMed: [21708296](http://www.uniprot.org/citations/21708296), PubMed: [10468558](http://www.uniprot.org/citations/10468558)). Involved in the degradation of 3-methyl-branched fatty acids like phytanic acid and the shortening of 2-hydroxy long- chain fatty acids (PubMed: [28289220](http://www.uniprot.org/citations/28289220), PubMed: [21708296](http://www.uniprot.org/citations/21708296), PubMed: [10468558](http://www.uniprot.org/citations/10468558)). Plays a significant role in the biosynthesis of heptadecanal in the liver (By similarity).

Cellular Location

Peroxisome

Tissue Location

Widely expressed.

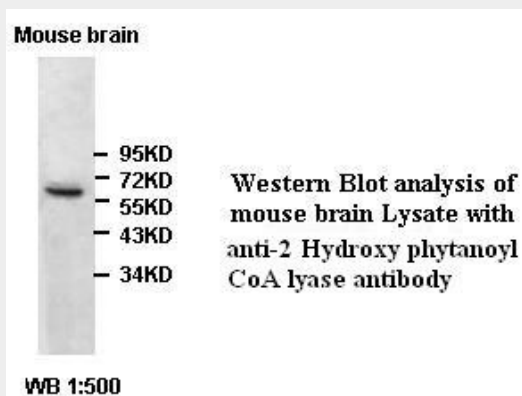
Volume

50 μ l

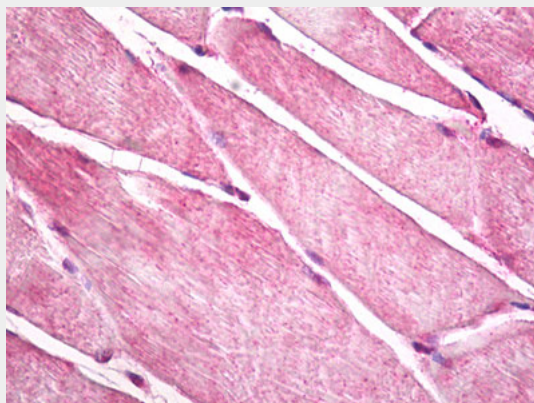
HACL1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HACL1 Antibody - Images

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Anti-HACL1 antibody IHC of human skeletal muscle.

HACL1 Antibody - Background

Catalyzes a carbon-carbon cleavage reaction; cleaves a 2-hydroxy-3-methylacyl-CoA into

formyl-CoA and a 2-methyl-branched fatty aldehyde.

HACL1 Antibody - References

Foulon V., et al. Proc. Natl. Acad. Sci. U.S.A. 96:10039-10044(1999).
Zhang Q.-H., et al. Genome Res. 10:1546-1560(2000).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Muzny D.M., et al. Nature 440:1194-1198(2006).
Gauci S., et al. Anal. Chem. 81:4493-4501(2009).