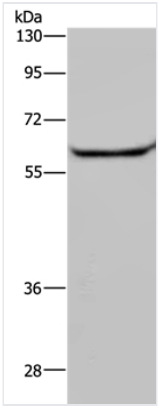
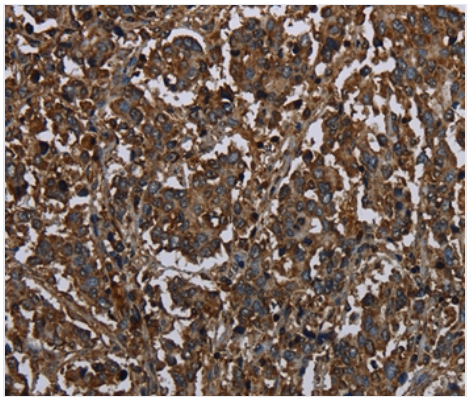
HACL1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HACL1, Polyclonal Antibody
Full Product Name	HACL1 Antibody
Product Gene Name	anti-HACL1 antibody
Product Synonym Names	HPCL; HPCL2; PHYH2; 2-HPCL
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.3 PBS, 0.05% NaN3, 50% Glycerol.
Purity/Purification	Antigen affinity purification.
Concentration	0.8 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total HACL1 protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	54,724 Da
OMIM	604300
3D Structure	ModBase 3D Structure for Q9UJ83
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from internal residues of human 2-hydroxyacyl-CoA lyase 1
Target Name	HACL1
Product Categories/Family for anti-HACL1 antibody	Total protein Ab
Applications Tested/Suitable for anti-HACL1 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-HACL1 antibody	Western blotting: 1:200-1:1000 Immunohistochemistry: 1:50-1:200
Related Product Information for anti-HACL1 antibody	HACL1 (2-hydroxyacyl-CoA lyase 1) is also known as HPCL or 2-HPCL (2-hydroxyphytanoyl-CoA lyase) and is a 578 amino acid protein. HACL1 is abundantly expressed in liver, and is also expressed in kidney, heart and skeletal muscle, where it is localized to peroxisomes. HACL1 functions in lipid metabolism as well as fatty acid metabolism and is able to form homotetramers.
Other Notes	Small volumes of anti-HACL1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for HACL1 purchase	MBS9407735 is an antibody targeting HACL1. Also known as HACL1 Antibody. Reactive in Human. Host: Rabbit.



Testing Data of anti-HACL1 antibody
Gel: 8%SDS-PAGE Lysates (from left to right): Human testis tissue Amount of lysate: 40ug per lane Primary antibody: 1/200 dilution Secondary antibody dilution: 1/8000 Exposure time: 30 seconds



Immunohistochemistry (IHC) of anti-HACL1 antibody
Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using at dilution 1/20.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HACL1. It may not necessarily be applicable to this product.

NCBI GI #	548923731
NCBI GeneID	26061
NCBI Accession #	NP_001271342.1
UniProt Primary Accession #	Q9UJ83
UniProt Secondary Accession #	Q9BV42; Q9P0A2; B4DWI1; B4DXI5; E9PEN4
UniProt Related Accession #	Q9UJ83
GenBank Nucleotide #	NM_001284413.1
NCBI Official Full Name	2-hydroxyacyl-CoA lyase 1 isoform b
NCBI Official Synonym Full Names	2-hydroxyacyl-CoA lyase 1
NCBI Official Symbol	HACL1
NCBI Official Synonym Symbols	HPCL; HPCL2; PHYH2; 2-HPCL
UniProt Protein Name	2-hydroxyacyl-CoA lyase 1
UniProt Synonym Protein Names	2-hydroxyphytanoyl-CoA lyase; 2-HPCL; Phytanoyl-CoA 2-hydroxylase 2
Protein Family	2-hydroxyacyl-CoA lyase
UniProt Gene Name	HACL1
UniProt Synonym Gene Names	HPCL; HPCL2; PHYH2; 2-HPCL
UniProt Entry Name	HACL1_HUMAN
NCBI Protein Information	2-hydroxyacyl-CoA lyase 1

UniProt Comments for HACL1	HACL1: Catalyzes a carbon-carbon cleavage reaction; cleaves a 2-hydroxy-3-methylacyl-CoA into formyl-CoA and a 2-methyl-branched fatty aldehyde. Belongs to the TPP enzyme family. Protein type: Lyase; EC 4.1.-.- Chromosomal Location of Human Ortholog: 3p25.1 Cellular Component: peroxisomal matrix; peroxisome Molecular Function: carbon-carbon lyase activity; identical protein binding; magnesium ion binding; thiamin pyrophosphate binding; cofactor binding; receptor binding Biological Process: cellular lipid metabolic process; protein oligomerization; fatty acid alpha-oxidation
Research Articles on HACL1	**1.** Data show that a easy assay for 2-hydroxyacyl-CoA lyase (HACL1) and sphingosine-1-phosphate lyase (SGPL1) activities was developed.
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