

Rabbit anti-Human HLCS Polyclonal Antibody | anti-HLCS antibody

Anti-HLCS Antibody, Rabbit Polyclonal

CATALOG # AAA255172	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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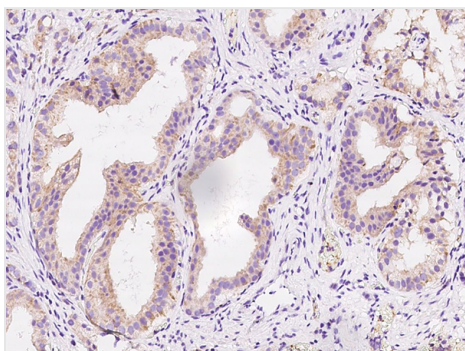
PRODUCT SYNONYMS

HLCS; Polyclonal Antibody; Anti-HLCS Antibody; Rabbit Polyclonal; HLCS Antibody; Rabbit PAb; Antigen Affinity Purified; holocarboxylase synthetase; Anti-HCS Antibody; anti-HLCS antibody

PRODUCT SPECIFICATIONS

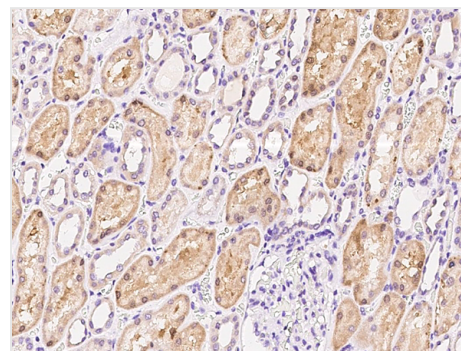
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human HLCS
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-HLCS antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the center region of the Human HLCS
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human HLCS, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human HLCS in human prostatic carcinoma with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human HLCS in human kidney with rabbit polyclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-HLCS antibody	HLCS (Holocarboxylase Synthetase) is a Protein Coding gene. This gene encodes an enzyme that catalyzes the binding of biotin to carboxylases and histones. The protein plays an important role in gluconeogenesis, fatty acid synthesis, and branched-chain amino acid catabolism. HLCS belongs to the biotin--protein ligase family. It is widely expressed in the thyroid, prostate, and other tissues. Diseases associated with HLCS include Holocarboxylase Synthetase Deficiency and Multiple Carboxylase Deficiency. HLCS deficiency is a rare autosomal recessive disorder that presents with multiple life-threatening metabolic derangements including metabolic acidosis, ketosis, and hyperammonemia. A majority of HLCS deficiency patients respond to biotin therapy.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1705499
NCBI GeneID	3141
UniProt Accession #	P50747; Q99451; B2RAH1; D3DSG6
Molecular Weight	726
NCBI Official Full Name	Biotin--protein ligase
NCBI Official Synonym Full Names	holocarboxylase synthetase (biotin-(propionyl-CoA-carboxylase (ATP-hydrolysing)) ligase)
NCBI Official Symbol	HLCS
NCBI Official Synonym Symbols	HCS
NCBI Protein Information	biotin--protein ligase; biotin apo-protein ligase; biotin--[acetyl-CoA-carboxylase] ligase; biotin--[methylcrotonoyl-CoA-carboxylase] ligase; biotin--[methylmalonyl-CoA-carboxytransferase] ligase; holocarboxylase synthetase (biotin-(propionyl-Coenzyme A-
UniProt Protein Name	Biotin--protein ligase
UniProt Gene Name	HLCS
UniProt Synonym Gene Names	HCS
UniProt Entry Name	BPL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/hlcs-antibody-immunohistochemistry-elisa/255172>