

Mouse HLCS Monoclonal Antibody | anti-HLCS antibody

HLCS antibody

CATALOG # AAA107377	HOST Mouse	APPLICATIONS Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry
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PRODUCT SYNONYMS

HLCS; Monoclonal Antibody; HLCS antibody; Monoclonal HLCS; Anti-HLCS; HCS; anti-HLCS antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1E4
Purity/Purification	HLCS antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	0.5-1 mg/ml (varies by lot)
Sequence Length	722
Applicable Applications for anti-HLCS antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Biological Significance	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. Defects in this gene are the cause of holocarboxylase synthetase deficiency.
Cross-Reactivity	Human
Immunogen	HLCS antibody was raised in Mouse using full length human recombinant protein of human HLCS produced in HEK293T cell as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of HLCS protein in paraffin embedded Carcinoma of Human prostate tissue using HLCS antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant HLCS protein (Right) or empty vector (Left) detected with HLCS antibody



FCM/FACS (Flow Cytometry)

Flow Cytometric analysis of HEK293T cells transfected with either recombinant HLCS protein (red) or empty vector (blue) stained using HLCS antibody

ADDITIONAL INFORMATION

Related Product Information for anti-HLCS antibody	Mouse monoclonal HLCS antibody
Product Categories/Family for anti-HLCS antibody	Proteases ; Inhibitors ; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	15636917
NCBI GeneID	110948
UniProt Accession #	Q920N2
Molecular Weight	78,516 Da
NCBI Official Full Name	Hlcs
NCBI Official Synonym Full Names	holocarboxylase synthetase (biotin- [propionyl-Coenzyme A-carboxylase (ATP-hydrolysing)] ligase)
NCBI Official Symbol	Hlcs
NCBI Official Synonym Symbols	D16Jhu34; 410I21.SP6
NCBI Protein Information	biotin--protein ligase
UniProt Protein Name	Biotin--protein ligase
UniProt Gene Name	Hlcs
UniProt Synonym Gene Names	HCS
UniProt Entry Name	BPL1_MOUSE

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://stage.aaabiotech.com/monoclonal/hlcs-antibody-clone-1e4-western-blot-flow-cytometry-immunohistochemistry-elisa/107377>