

Rabbit HCLS1 Polyclonal Antibody | anti-HCLS1 antibody

HCLS1 Antibody

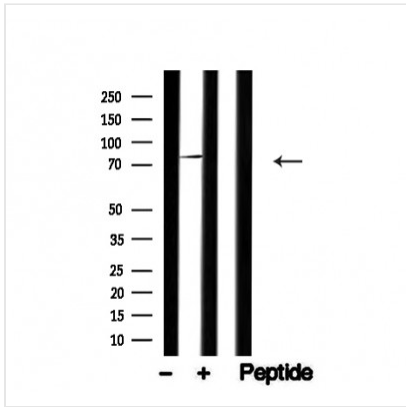
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329533	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (92%), Zebrafish (80%), Horse (90%), Rabbit (82%), Chicken (88%)	ELISA, Western Blot

PRODUCT SYNONYMS

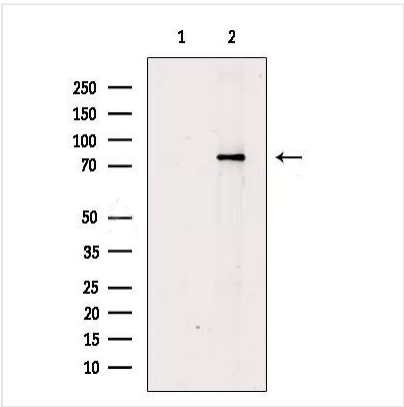
HCLS1; Polyclonal Antibody; HCLS1 Antibody; Cortactin like; CTTNL; HCLS 1; Hcls1; HCLS1_HUMAN; Hematopoietic cell specific Lyn substrate 1; Hematopoietic cell-specific LYN substrate 1; Hematopoietic lineage cell-specific protein; HS 1; HS1; LckBP1; OTTHUMP00000215180; OTTHUMP00000215182; p75; anti-HCLS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (92%), Zebrafish (80%), Horse (90%), Rabbit (82%), Chicken (88%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	HCLS1 Antibody detects endogenous levels of total HCLS1. Tissue Specificity: Expressed only in tissues and cells of hematopoietic origin.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-HCLS1 antibody	ELISA (Peptide ELISA), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HCLS1, corresponding to a region within the internal amino acids.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Phosphorylated by FES (By similarity). Phosphorylated by LYN, FYN and FGR after cross-linking of surface IgM on B-cells. Phosphorylation by LYN, FYN and FGR requires prior phosphorylation by SYK or FES.
Subunit Structure	Associates with the SH2 and SH3 domains of LCK. Binding to the LCK SH3 domain occurs constitutively, while binding to the LCK SH2 domain occurs only upon TCR stimulation. A similar binding pattern was observed with LYN, but not with FYN in which the FYN SH2 region associates upon TCR stimulation but the FYN SH3 region does not associate regardless of TCR stimulation. Directly associates with HAX1, through binding to its C-terminal region. Interacts with HS1BP3. Interacts with FES/FPS (By similarity). Interacts (via SH2 domain) with FGR. Forms a multiprotein complex with LYN and ANKRD54 (By similarity).
Subcellular Location	Membrane>Peripheral membrane protein. Cytoplasm. Mitochondrion.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of HS1 in lysates of HepG2, using HS1 Antibody(AF4707).



WB (Western Blot)
Western blot analysis of extracts from RAW264.7 cells, using HS1 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-HCLS1 antibody	Substrate of the antigen receptor-coupled tyrosine kinase. Plays a role in antigen receptor signaling for both clonal expansion and deletion in lymphoid cells. May also be involved in the regulation of gene expression.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	167234422
NCBI GeneID	3059
NCBI Accession #	NP_005326.2
NCBI GenBank Nucleotide #	NM_005335.4
UniProt Accession #	P14317; Q53Y93; Q6IBK9; Q9UDK0
Molecular Weight	54,014 Da
NCBI Official Full Name	hematopoietic lineage cell-specific protein
NCBI Official Synonym Full Names	hematopoietic cell-specific Lyn substrate 1
NCBI Official Symbol	HCLS1
NCBI Official Synonym Symbols	HS1; CTTNL
NCBI Protein Information	hematopoietic lineage cell-specific protein; p75; lckBP1
UniProt Protein Name	Hematopoietic lineage cell-specific protein
UniProt Gene Name	HCLS1
UniProt Synonym Gene Names	HS1
UniProt Entry Name	HCLS1_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.