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HCLS1 Rabbit pAb

Catalog # AP99329

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P14317
Other Accession	P14317
Reactivity	Mouse
Predicted	Rat, Human, Rabbit, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54014
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human HCLS1
Epitope Specificity	161-260/486
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 4 cortactin repeats. Contains 1 SH3 domain.
SUBUNIT	Associates with the SH2 and SH3 domains of LCK. Binding to he 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. Interacts (via SH2 domain) with FGR. Forms a multiprotein complex with LYN and ANKRD54.
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	3059
Other Names	HCLS1_HUMAN; HCLS1; Hematopoietic cell-specific LYN substrate 1; LckBP1; p75; HS1; HCLS1_MOUSE; cortactin-like
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name	HCLS1
Synonyms	HS1
Function	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.
Cellular Location	Membrane; Peripheral membrane protein. Cytoplasm. Mitochondrion
Tissue Location	Expressed only in tissues and cells of hematopoietic origin

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.