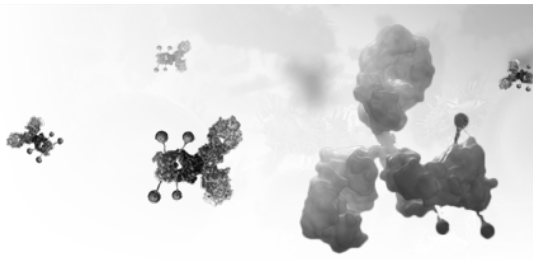

Rabbit anti-Human LCK Polyclonal antibody (DPAB2702RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit polyclonal to human lymphocyte-specific protein tyrosine kinase.
Antigen Description	The members of the Src-family kinases are Src, Lyn, Fyn, Yes, Hck, Lck, Fgr, Blk, and Yrk. Each of these have a common structure consisting of an unique domain at the N-terminal, followed by SH3, SH2 and tyrosine kinase domains. In immume cells, the Src-family kinases play roles as critical regulators of a large number of intracellular signaling pathways, including integrin signaling pathway. Integrins are major cellular receptor that mediate cell to cell and cell to substratum interactions. Lck is expressed almost exclusively in T cells and interacts with cytoplasmic regions of CD4 and CD8 coreceptor molecules, and thus plays an important role in relaying TCR-mediated activation signal. Lck is regulated by phosphorylation of its Tyr394 and Tyr505.
Immunogen	Recombinant human protein purified from E.coli (His-LCK).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB
Cellular Localization	Cytoplasm Cell membrane
Positive Control	Jurkat cells
Format	HEPES with 0.15M NaCl, 0.01% BSA, 0.03% sodium azide, and 50% glycerol.
Size	100 µl

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Preservative	0.03% Sodium Azide
Storage	Store for 1 year at -20 °C from date of shipment.

GENE INFORMATION

Gene Name	LCK lymphocyte-specific protein tyrosine kinase [Homo sapiens]
Synonyms	LCK; lymphocyte-specific protein tyrosine kinase; LSK; p56lck; pp58lck; tyrosine-protein kinase Lck; leukocyte C-terminal Src kinase; p56 (LSTRA) protein-tyrosine kinase; t cell-specific protein-tyrosine kinase; proto-oncogene tyrosine-protein kinase LCK; lymphocyte cell-specific protein-tyrosine kinase; Protein YT16; T-lymphocyte specific protein tyrosine kinase p56lck; NP_001036236.1; EC 2.7.10.2; NP_005347.3; Proto-oncogene Lck; p56-LCK; EC 2.7.10; OTTHUMP00000008640; YT16; OTTHUMP00000008740; OTTHUMP00000228508
Entrez Gene ID	3932
Protein Refseq	NP_001036236
UniProt ID	P06239
Chromosome Location	1p34.3
Pathway	Adaptive Immune System; Alpha-synuclein signaling; Atypical NF-kappaB pathway; B Cell Receptor Signaling Pathway; CD28 co-stimulation; CD28 dependent PI3K/Akt signaling; CD28 dependent Vav1 pathway; CTLA4 inhibitory signaling; CXCR4- mediated signaling events; Cell surface interactions at the vascular wall; Class I PI3K signaling events; Costimulation by the CD28 family; Cytokine Signaling in Immune system; Delta-Notch Signaling Pathway; Downstream TCR signaling
Function	ATP binding; ATPase binding; CD4 receptor binding; CD8 receptor binding; SH2 domain binding; antigen binding; glycol- protein binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; phosphatidylinositol 3-kinase binding; protein C-terminus binding; protein binding; protein complex binding; protein kinase binding; protein serine/threonine phos- phatase activity; protein tyrosine kinase activity; protein tyrosine phosphatase activity

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221