



# Goat anti-Human LCK polyclonal antibody (DPAB-DC1831)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	This gene is a member of the Src family of protein tyrosine kinases (PTKs). The encoded protein is a key signaling molecule in the selection and maturation of developing T-cells. It contains N-terminal sites for myristylation and palmitoylation, a PTK domain, and SH2 and SH3 domains which are involved in mediating protein-protein interactions with phosphotyrosine-containing and proline-rich motifs, respectively. The protein localizes to the plasma membrane and pericentrosomal vesicles, and binds to cell surface receptors, including CD4 and CD8, and other signaling molecules. Multiple alternatively spliced variants, encoding the same protein, have been described.
<b>Specificity</b>	This antibody is not expected to cross-react with other tyrosine protein kinases. Reported variants represent identical protein: NP_005347.3, NP_001036236.1
<b>Immunogen</b>	A synthetic peptide corresponding to amino acids 39-52 near N-terminus of human LCK. The sequence is C-RNGSEVRDPLVTYE
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen affinity purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Tissue lysate), ELISA,
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)

<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">LCK LCK proto-oncogene, Src family tyrosine kinase [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	LCK
<b>Synonyms</b>	LCK; LCK proto-oncogene, Src family tyrosine kinase; LSK; YT16; IMD22; 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-specific protein tyrosine kinase; lymphocyte cell-specific protein-tyrosine kinase; T-lymphocyte specific protein tyrosine kinase p56lck;
<b>Entrez Gene ID</b>	<a href="#">3932</a>
<b>Protein Refseq</b>	<a href="#">NP_001036236</a>
<b>UniProt ID</b>	<a href="#">P06239</a>
<b>Chromosome Location</b>	1p34.3
<b>Pathway</b>	Adaptive Immune System; Atypical NF-kappaB pathway; CD28 co-stimulation; CD28 dependent Vav1 pathway
<b>Function</b>	ATP binding; ATPase binding; CD4 receptor binding; CD8 receptor binding