9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

30-1170: Anti-Lck Monoclonal Antibody (Clone:LCK-01)

Clonality :	Monoclonal
Clone Name :	LCK-01
Application :	FACS, IP, WB, ICC
Reactivity :	Human
Gene :	LCK
Gene ID :	3932
Uniprot ID :	P06239
Format :	Purified
Alternative Name :	LCK
Isotype :	Mouse IgG1
Immunogen Information :	Peptide corresponding to amino acids 22-36 in the sequence of human Lck.

Description

Lck is a Src-family tyrosine kinase, which is essential for signaling through the T-cell receptor (TCR) complex. Upon TCR triggering, Lck phosphorylates the ITAM motives in its zeta subunits, establishing binding sites for the SH2 domains of the tyrosine kinase ZAP70, which is also phosphorylated by Lck and thereby activated to generate subsequent signaling platforms by phosphorylation of adaptor LAT. Whereas the majority of Lck is localized to the plasma membrane, there is also a significant fraction associated with the Golgi apparatus, which may contribute to Raf activation under conditions of weak stimulation through the TCR. Lck is also involved in the regulation of apoptosis induced by various stimuli, but not by the death receptors.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

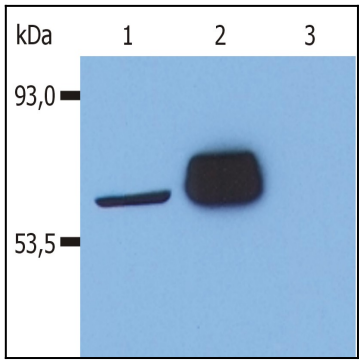


Figure 1:Western Blotting analysis (reducing conditions) of human Lck in whole cell lysate using anti-human Lck (LCK-01). Lane 1: J. CaM-1.6 cell line (a mutant derivate of the JURKAT cell line) transfected with Lck. Lane 2: HEK-293T cell line transfected with Lck. Lane 3: HEK-293T cell line (non-transfected)

For Research Use Only. Not for use in diagnostic/therapeutics procedures.