

Anti-Lck Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

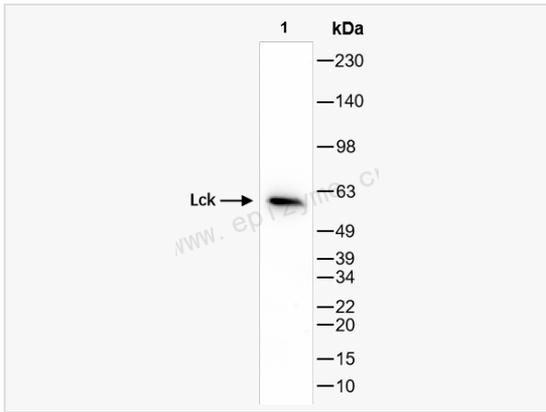
Catalog # R016043

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	54E47N32
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Lck
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Lck Rabbit mAb [54E47N32] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	p56-LCK; p56-LCK; Lymphocyte cell-specific protein-tyrosine kinase; LSK; T cell-specific protein-tyrosine kinase; Lck p56; Lymphocyte Specific Protein Tyrosine Kinase; Membrane associated protein tyrosine kinase; Oncogene lck; P56 LCK; p56(LSTRA) protein tyrosine kinase; p56lck; pp58 lck; pp58lck; Proto oncogene tyrosine protein kinase LCK; Protooncogene tyrosine protein kinase LCK; T cell specific protein tyrosine kinase; T lymphocyte specific protein tyrosine kinase p56lck; YT 16; YT16; LCK_HUMAN.
Calculated MW	Calculated MW: 58 kDa; Observed MW: 58 kDa
Uniprot ID	P06239
Gene ID	3932
Background	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 different isoforms have been described. [provided by RefSeq, Aug 2016]
Cellular Location	Cell membrane Lipid-anchor Cytoplasmic side Cytoplasm Cytosol Present in lipid rafts in an inactive form.
Tissue Location	Expressed specifically in lymphoid cells.



Western Blot - Anti-Lck Rabbit mAb [54E47N32]

All lanes: R016043 at 1:1,000 dilution

Lane 1: Ball-1 (Human B lymphocyte acute leukemia cell) whole cell lysates

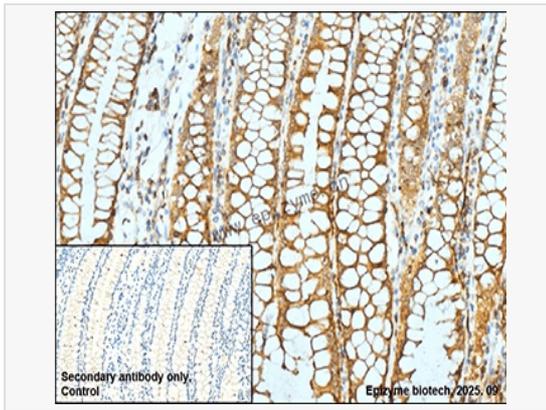
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 58 kDa

Observed band size: 58 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Lck Rabbit mAb [54E47N32]

Sample: Paraformaldehyde-fixed, paraffin embedded human colonic cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R016043 at 1:200 dilution

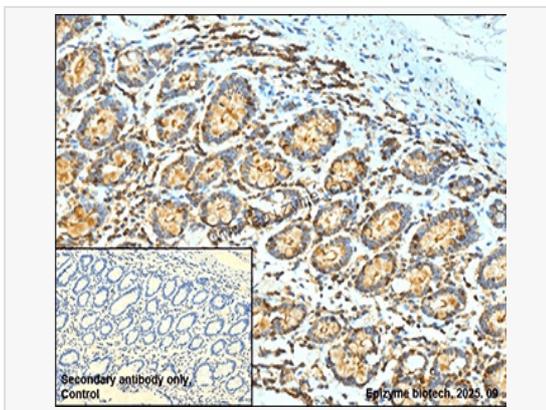
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Lck Rabbit mAb [54E47N32]

Sample: Paraformaldehyde-fixed, paraffin embedded human gastric cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R016043 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.