

For Research Use Only

LCK Monoclonal antibody

Catalog Number: 60162-1-Ig **1 Publications**



Basic Information

Catalog Number: 60162-1-Ig	GenBank Accession Number: BC013200	Purification Method: Protein A purification
Size: 1300 µg/ml	GeneID (NCBI): 3932	CloneNo.: 2D10C2
Source: Mouse	UNIPROT ID: P06239	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:500-1:2000 IF 1:200-1:800
Isotype: IgG1	Full Name: Lymphocyte-specific protein tyrosine kinase	
Immunogen Catalog Number: AG7694	Calculated MW: 539 aa, 56 kDa	
	Observed MW: 50-60 kDa	

Applications

Tested Applications:
FC, IF/ICC, IF-P, IHC, WB, ELISA

Cited Applications:
WB, IHC

Species Specificity:
human, pig, rat

Cited Species:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : pig thymus tissue, Ramos cells, rat thymus tissue

IHC : human tonsillitis tissue, human lymphoma tissue

IF : human tonsillitis tissue, HepG2 cells

Background Information

LCK(Lymphocyte cell-specific protein-tyrosine kinase) is also named as LSK,p56-LCK and a nonreceptor protein-tyrosine kinase of the SRC oncogene family that is involved in transduction of T-cell receptor-mediated activation. It is implicated in the control of lymphocyte growth by virtue of its overexpression in some lymphoid malignancies and its transforming activity in heterologous systems(PMID:2784463). It has 3 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Chao Wang	35264874	Int J Gen Med	WB,IHC

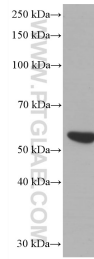
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

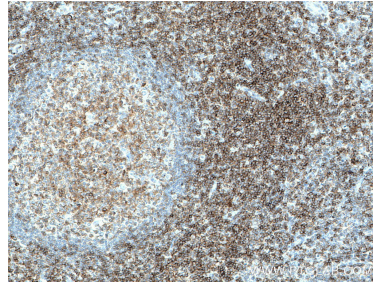
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

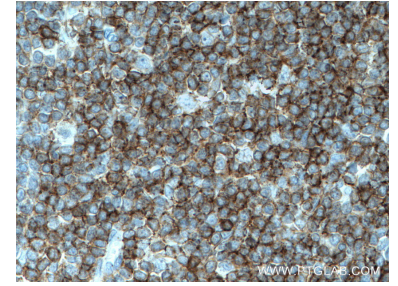
Selected Validation Data



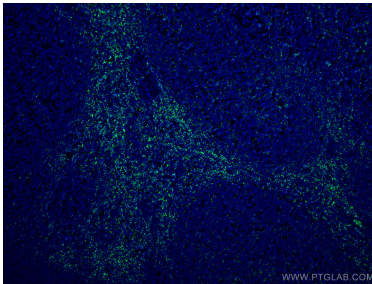
pig thymus tissue were subjected to SDS PAGE followed by western blot with 60162-1-Ig (LCK antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



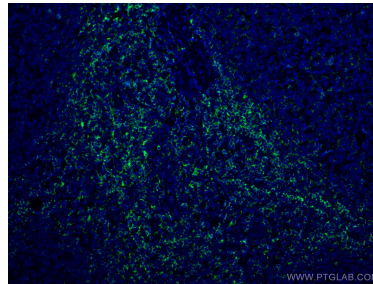
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60162-1-Ig (LCK antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



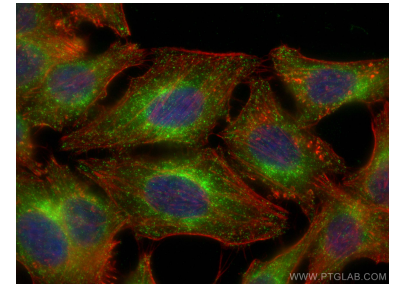
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60162-1-Ig (LCK antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



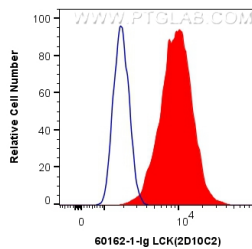
Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using LCK antibody (60162-1-Ig, Clone: 2D10C2) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using LCK antibody (60162-1-Ig, Clone: 2D10C2) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using LCK antibody (60162-1-Ig, Clone: 2D10C2) at dilution of 1:800 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-phalloidin (red).



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug Anti-Human LCK (60162-1-Ig, Clone:2D10C2) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).