Datasheet: AHP2640

BATCH NUMBER 141597

Description:	RABBIT ANTI LCK (pTyr394)
Specificity:	LCK (pTyr394)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/500 - 1/2000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Based on sequence similarity, is expected to react with:Mouse
N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Antiserum Preparation

Antiserum to LCK (pTyr394) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.02% Sodium Azide
50% Glycerol

Immunogen	Phospho specific-peptide corresponding to residues surrounding tyrosine 394 of human LCK
External Database Links	**UniProt:** P06239 Related reagents **Entrez Gene:** 3932 LCK Related reagents
Specificity	**Rabbit anti LCK (pTyr394) antibody** recognizes LCK, also known as tyrosine-protein kinase Lck, leukocyte C-terminal Src kinase, lymphocyte cell-specific protein-tyrosine kinase or p56-LCK, when phosphorylated at tyrosine 394. LCK is a member of the Src family of tyrosine kinases. The T cell antigen receptor (TCR) depends on LCK to initiate signaling. LCK is autophosphorylated at tyrosine 394 in response to TCR engagement (Wright *et al.* 1994). Phosphorylation of LCK at tyrosine 394 leads to phosphorylation of CD3 and the gamma chains of the TCR as part of T cell activation.
Further Reading	1. Wright, D.D. *et al.* (1994) Oncogenic activation of the Lck protein accompanies translocation of the LCK gene in the human HSB2 T-cell leukemia. Mol Cell Biol. 14 (4): 2429-37.
Storage	Store at -20ºC Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10049 available at: https://www.bio-rad-antibodies.com/SDS/AHP2640 10049
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (Fc) (STAR121...) Biotin, FITC, HRP
Goat Anti Rabbit IgG (H/L) (STAR124...) HRP
Sheep Anti Rabbit IgG (STAR35...) RPE

Recommended Useful Reagents

TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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