

Datasheet: AHP2641

Description:	RABBIT ANTI LCK (pTyr416)/FYN (pTyr416)
Specificity:	LCK (pTyr416)/FYN (pTyr416)
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
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Product Form	Purified IgG - liquid
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Antiserum Preparation	Antiserum to LCK (pTyr416)/FYN (pTyr416) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
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Buffer Solution	Phosphate buffered saline
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Preservative	0.02% Sodium Azide
Stabilisers	50% Glycerol

Immunogen	Phospho specific-peptide corresponding to residues surrounding tyrosine 416 of human LCK and tyrosine 416 of human FYN
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External Database Links

UniProt:

[P06239](#) [Related reagents](#)
[P06241](#) [Related reagents](#)

Entrez Gene:[3932](#) LCK [Related reagents](#)[2534](#) FYN [Related reagents](#)

Specificity **Rabbit anti LCK (pTyr416)/FYN (pTyr416) antibody** recognizes LCK also known as lymphocyte cell-specific protein-tyrosine kinase, when phosphorylated at tyrosine 416 and FYN also known as Src-like kinase, when phosphorylated at tyrosine 416 FYN.

LCK and FYN are members of the Src family of tyrosine kinases that are involved in the regulation of numerous processes including differentiation and proliferation. Autophosphorylation of LCK and FYN at tyrosine 416 increases kinase activity via an open confirmation of the LCK and FYN which makes substrates more accessible ([Boggon and Eck 2004](#), [Irtegun *et al.* 2004](#)).

Further Reading

1. Boggon, T.J. & Eck, M.J. (2004) Structure and regulation of Src family kinases. [Oncogene. 23 \(48\): 7918-27.](#)
2. Irtegun, S. *et al.* (2013) Tyrosine 416 is phosphorylated in the closed, repressed conformation of c-Src. [PLoS One. 8 \(7\): e71035.](#)

Storage Store at -20°C
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/AHP2641>
10049

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)Sheep Anti Rabbit IgG (STAR35...) [RPE](#)Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)**North & South** Tel: +1 800 265 7376**America** Fax: +1 919 878 3751Email: antibody_sales_us@bio-rad.com**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M416527:230302'

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