

## Datasheet: AHP2643

<b>Description:</b>	RABBIT ANTI LIMK1 (pThr508)
<b>Specificity:</b>	LIMK1 (pThr508)
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			1/50 - 1/100
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, Rat

**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 LIMK1 (pThr508) 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 threonine 508 of human

## LIMK1

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### External Database

#### Links

#### UniProt:

[P53667](#)

[Related reagents](#)

#### Entrez Gene:

[3984](#)

LIMK1

[Related reagents](#)

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#### Synonyms

LIMK

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#### Specificity

**Rabbit anti LIMK1 (pThr508) antibody** recognizes LIM domain kinase 1 (LIMK1), when phosphorylated at threonine 505. LIMK1 is a member of the serine/threonine protein kinase family involved in the regulation of actin cytoskeleton reorganization. LIMK1 is phosphorylated at threonine 508 by Cdc42/Rac-PAK1, 2, 4 and ROCK1, increasing LIMK1 kinase activity and leads to stabilization of the actin cytoskeleton ([Petrilli et al. 2014](#)).

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#### Further Reading

1. Petrilli, A. *et al.* (2014) LIM domain kinases as potential therapeutic targets for neurofibromatosis type 2. [Oncogene. 33 \(27\): 3571-82.](#)

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#### 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.

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#### Guarantee

12 months from date of despatch

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#### Health And Safety Information

Material Safety Datasheet documentation #10049 available at:  
10049: <https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf>

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#### Regulatory

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

### Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

#### North & South America

Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

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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](https://bio-rad-antibodies.com/datasheets)  
'M337559:181217'

**Printed on 21 Mar 2022**

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