

Datasheet: AHP2692

BATCH NUMBER 151652

Description:	RABBIT ANTI ZAP 70 (pTyr493)
Specificity:	ZAP 70 (pTyr493)
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
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 ZAP 70 (pTyr493) 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 493 of human ZAP 70

External Database Links

UniProt:

[P43403](#) [Related reagents](#)

Entrez Gene:

[7535](#) ZAP70 [Related reagents](#)

Synonyms SRK

Specificity **Rabbit anti ZAP 70 (pTyr493) antibody** recognizes ZAP 70, also known as Zeta-chain-associated protein kinase 70 when phosphorylated at tyrosine 493. ZAP70 is a member of the tyrosine kinase family. ZAP 70 plays a key role in the activation of T cells. ZAP 70 is phosphorylated at tyrosine 493 by Lck in response to T cell receptor stimulation ([Wang et al. 2010](#)). Phosphorylation of ZAP 70 at tyrosine 493 fully activates ZAP 70 leading to phosphorylation of downstream targets of the T cell activation pathway.

Further Reading 1. Wang, H. *et al.* (2010) ZAP-70: an essential kinase in T-cell signaling. [Cold Spring Harb Perspect Biol. 2 \(5\): a002279.](#)

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/AHP2692>
10049

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

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

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

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

Recommended Useful Reagents

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

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

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