

Datasheet: AHP2673

Description:	RABBIT ANTI RAC1 (pSer71)
Specificity:	RAC1 (pSer71)
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 - 1/1000

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 RAC1 (pSer71) 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 serine 71 of human RAC1

External Database Links	UniProt: P63000 Related reagents Entrez Gene: 5879 RAC1 Related reagents
Synonyms	TC25
Specificity	Rabbit anti RAC1 (pSer71) antibody recognizes RAC1, also known as ras-related C3 botulinum toxin substrate 1, cell migration-inducing gene 5 protein, ras-like protein TC25 or p21-Rac1, when phosphorylated at serine 71. RAC1 is a member of the small Rho GTPase family that plays a role in numerous cell processes including cell migration, cell polarization, apoptosis and gene expression. RAC1 cycles between an active GTP-bound state and an inactive GDP-bound state. RAC1 is phosphorylated at serine 71 by Akt. Phosphorylation at serine 71 modulates RAC1 signaling by directing interaction with specific signaling pathways (Schwarz et al. 2012).
Further Reading	1. Schwarz, J. <i>et al.</i> (2012) Serine-71 phosphorylation of Rac1 modulates downstream signaling. PLoS One. 7 (9): e44358 .
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: 10049: https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf
Regulatory	For research purposes only

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 \(STAR209P\)](#)

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Fax: +1 919 878 3751

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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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