

Datasheet: AHP2682

BATCH NUMBER 141636

Description:	RABBIT ANTI STAT1 (pSer727)
Specificity:	STAT1 (pSer727)
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 STAT1 (pSer727) 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 727 of human STAT1

External Database Links

UniProt:

[P42224](#) [Related reagents](#)

Entrez Gene:

[6772](#) STAT1 [Related reagents](#)

Specificity

Rabbit anti STAT1 (pSer727) antibody recognizes signal transducer and activator of transcription 1-alpha/beta (STAT1) also known as transcription factor ISGF-3 components p91/p84, when phosphorylated at serine 727. STAT1 is part of the transcription factor STAT family of proteins. STAT proteins form homo- or hetero-dimers once phosphorylated by receptor associated kinases. Following dimerization STAT proteins then translocate to the cell nucleus. Phosphorylation of STAT1 at serine 727 occurs via p38 MAPK (MAPK14) pathways ([Ramsauer *et al.* 2002](#)).

Further Reading

1. Ramsauer, K. *et al.* (2002) p38 MAPK enhances STAT1-dependent transcription independently of Ser-727 phosphorylation. [Proc Natl Acad Sci U S A. 99 \(20\): 12859-64.](#)

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/AHP2682>
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 \(STAR209P\)](#)

North & South America

Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: 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
'M360561:191126'

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