

Datasheet: AHP2629

Description:	RABBIT ANTI HEAT SHOCK PROTEIN 27 (pSer78)
Specificity:	HEAT SHOCK PROTEIN 27 (pSer78)
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

Product Form Purified IgG - liquid

Antiserum Preparation Antiserum to heat shock protein 27 (pSer78) 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 78 of human heat shock protein 27

External Database Links

UniProt:

[P04792](https://www.uniprot.org/entry/P04792)

[Related reagents](#)

Entrez Gene:[3315](#) HSPB1 [Related reagents](#)

Synonyms	HSP27, HSP28
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Specificity	Rabbit anti heat shock protein 27 (pSer78) antibody recognizes heat shock protein 27 when phosphorylated at serine 78. Heat shock protein 27 is a molecular chaperone protein. HSP27 exerts an anti-apoptotic effect via inhibition of the cytochrome-c/procaspase-9 pathway. Phosphorylation of HSP27 at serine 78 is via the p38 MAPK pathway. Phosphorylation of HSP27 at serine 78 contributes to significant alterations in the protein structure and protein-protein interactions of HSP27.
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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: https://www.bio-rad-antibodies.com/SDS/AHP2629 10049
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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](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

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

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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://www.bio-rad-antibodies.com/datasheets)
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