

Datasheet: AHP2656

Description:	RABBIT ANTI MEK 4 (pSer80)
Specificity:	MEK 4 (pSer80)
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 MEK 4 (pSer80) 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 80 of human MEK

External Database**Links****UniProt:**[P45985](#) [Related reagents](#)**Entrez Gene:**[6416](#) MAP2K4 [Related reagents](#)

Synonyms

JNKK1, MEK4, MKK4, PRKMK4, SERK1

Specificity

Rabbit anti MEK 4 (pSer80) antibody recognizes MAPK/ERK kinase 4 (MEK 4), also known as dual specificity mitogen-activated protein kinase kinase 4, MAP kinase kinase 4 (MAPKK 4), stress-activated protein kinase kinase 1 and JNKK, when phosphorylated at serine 80.

MEK 4 is a dual specificity protein kinase and a member of the MAP kinase family. MEK 4 plays a key role in the MAP kinase and SAP/JNK signaling pathways.

MEK 4 is phosphorylated at serine 80 by Akt1, inhibiting the kinase activity of MEK 4 ([Song and Lee 2005](#)).

Further Reading

1. Song, J.J. & Lee, Y.J. (2005) Cross-talk between JIP3 and JIP1 during glucose deprivation: SEK1-JNK2 and Akt1 act as mediators. [J Biol Chem. 280 \(29\): 26845-55.](#)

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](#)Sheep Anti Rabbit IgG (STAR35...) [RPE](#)Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)**Recommended Useful Reagents**[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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