

## Datasheet: AHP2651

**BATCH NUMBER 150402**

<b>Description:</b>	RABBIT ANTI MEK 1/2 (pSer217/pSer221)
<b>Specificity:</b>	MEK 1/2 (pSer217/pSer221)
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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 MEK 1/2 (pSer217/pSer221) 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 217/221 of human MEK 1/2

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**External Database Links**

**UniProt:**

[Q02750](#) [Related reagents](#)

[P36507](#) [Related reagents](#)

**Entrez Gene:**

[5604](#) MAP2K1 [Related reagents](#)

[5605](#) MAP2K2 [Related reagents](#)

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**Synonyms** MEK1, MEK2, MKK2, PRKMK1, PRKMK2

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**Specificity** **Rabbit anti MEK 1/2 (pSer217/pSer221) antibody** recognizes MAPK/ERK kinase 1 (MEK 1) and MAPK/ERK kinase 2 (MEK 2), also known as MAP kinase kinase 1 (MAPKK 1) and MAP kinase kinase 2 (MAPKK 2) respectively, when phosphorylated at serine 217 and serine 221. MEK 1 and MEK 2 are integral components of the MAP kinase cascade that regulate cell growth and differentiation.

MEK1 and MEK2 are phosphorylated at serine 217 and serine 221 by Raf kinases, increasing the activity of MEK 1 and MEK 2 ([Matallanas et al. 2011](#)).

**Further Reading** 1. Matallanas, D. *et al.* (2011) Raf family kinases: old dogs have learned new tricks. [Genes Cancer. 2 \(3\): 232-60.](#)

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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/AHP2651>  
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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)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

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Email: [antibody\\_sales\\_de@bio-rad.com](mailto: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](https://bio-rad-antibodies.com/datasheets)

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