

Datasheet: AHP904

Description:	RABBIT ANTI MEK 1/2 (pSer218/pSer222)
Specificity:	MEK 1/2 (pSer218/pSer222)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 ml

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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/1000

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse

Based on sequence similarity, is expected to react with: Chicken, Bovine, Monkey, Rat, Zebrafish, Dog, Xenopus

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

Antisera to phosphorylated MEK were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution	10mM HEPES pH7.5
Preservative Stabilisers	0.09% Sodium Azide 0.01% Bovine Serum Albumin 50% Glycerol
Immunogen	Synthetic phosphopeptide corresponding to an amino acid sequence which includes phosphorylated residues serine 218 and 222 within human MEK1 and 2.
External Database Links	<p>UniProt:</p> <p>Q02750 Related reagents</p> <p>P36507 Related reagents</p> <p>Entrez Gene:</p> <p>5604 MAP2K1 Related reagents</p> <p>5605 MAP2K2 Related reagents</p>
Synonyms	MEK1, MEK2, MKK2, PRKMK1, PRKMK2
RRID	AB_567131
Specificity	<p>Rabbit anti MEK 1/2 (pSer218/pSer222) 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 218 and 222.</p> <p>MEK1 and 2 are related dual specificity protein kinases from the MAP kinase family. These proteins are activated by phosphorylation at serine 218 and 222, and play a critical role in mitogen growth factor signal transduction.</p>
Western Blotting	AHP904 recognises a band of approximately 45kD in serum stimulated mouse NIH 3T3 cell lysates.
References	1. Salinas-vera, Y.M. <i>et al.</i> (2018) Cooperative multi-targeting of signaling networks by angiomiR-204 inhibits vasculogenic mimicry in breast cancer cells. Cancer Lett. 432: 17-27.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety	Material Safety Datasheet documentation #10088 available at:

Information 10088: <https://www.bio-rad-antibodies.com/uploads/MSDS/10088.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 (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

North & South Tel: +1 800 265 7376

America 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](https://www.bio-rad-antibodies.com/datasheets)

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