

Datasheet: AHP904

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|----------------------|---------------------------------------|
| 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) | ■ | | | 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.

(1) For the detection of phosphoproteins, serine phosphatase inhibitors such as 10mM Sodium Fluoride should be added to the sample buffer. Milk or other casein-based blocking solutions are not recommended as casein is a phosphoprotein and its use can result in high background.

| | |
|---------------------------------|--|
| 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. |
| 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 | 0.09% Sodium Azide |
| Stabilisers | 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

UniProt:

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

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

Entrez Gene:

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

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

Synonyms MEK1, MEK2, MKK2, PRKMK1, PRKMK2

Specificity **Rabbit anti MEK 1/2 (pSer218/pSer222) antibody** recognizes MAPK/ERK kinase 1 (MEK 1) and MAPK/ERK kinase 2 (MEK 1), also known as MAP kinase kinase 1 (MAPKK 1) and MAP kinase kinase 2 (MAPKK 2) respectively, when phosphorylated at serine 218 and 222.

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.

Western Blotting AHP904 recognises a band of approximately 45kD in serum stimulated mouse NIH 3T3 cell lysates.

References 1. Salinas-Vera, Y.M. *et al.* (2018) Cooperative multi-targeting of signaling networks by angiomiR-204 inhibits vasculogenic mimicry in breast cancer cells. [Cancer Lett. Jun 06 \[Epub ahead of print\]](#).

Storage Store at +4°C or at -20°C if preferred.
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.

Shelf Life 12 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10088 available at: 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 (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (2AB02...)

[Biotin](#)

Sheep Anti Rabbit IgG (STAR36...)

[DyLight@488](#), [DyLight@549](#), [DyLight@649](#),
[DyLight@680](#), [DyLight@800](#)

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