

Datasheet: AHP2650

Description:	RABBIT ANTI MEK 1 (pThr291)
Specificity:	MEK 1 (pThr291)
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
Western Blotting	▪			1/500 - 1/2000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

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.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to MEK 1 (pThr291) 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	0.02% Sodium Azide
Stabilisers	50% Glycerol
Immunogen	Phospho specific-peptide corresponding to residues surrounding threonine 291 of human MEK 1
External Database Links	<p>UniProt: Q02750 Related reagents</p> <p>Entrez Gene: 5604 MAP2K1 Related reagents</p>

Synonyms	MEK1, PRKMK1
Specificity	<p>Rabbit anti MEK 1 (pThr291) antibody recognizes MAPK/ERK kinase 1 (MEK 1), also known as dual specificity mitogen-activated protein kinase kinase 1, MAP kinase kinase 1 (MAPKK 1) and ERK activator kinase 1, when phosphorylated at threonine 291.</p> <p>MEK 1 is an integral component of the MAP kinase cascade that regulates cell growth and differentiation.</p> <p>MEK1 is phosphorylated at threonine 291 by ERK1/2 as part of a negative feedback loop (Eblen et al. 2004, Zheng et al. 1994).</p>
Further Reading	<ol style="list-style-type: none"> 1. Eblen, S.T. <i>et al.</i> (2004) Mitogen-activated protein kinase feedback phosphorylation regulates MEK1 complex formation and activation during cellular adhesion. Mol Cell Biol. 24 (6): 2308-17. 2. Zheng, C.F. & Guan, K.L. (1994) Activation of MEK family kinases requires phosphorylation of two conserved Ser/Thr residues. EMBO J. 13 (5): 1123-31.
Storage	<p>Store at -20°C</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
Guarantee	12 months from date of despatch
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories
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](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@680](#), [DyLight@800](#)

Recommended Useful Reagents

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

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