

Datasheet: AHP1302

BATCH NUMBER 161463

Description:	RABBIT ANTI MEK 5 (pSer311/pThr315)
Specificity:	MEK 5 (pSer311/pThr315)
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 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

Rat

Species Cross Reactivity

Based on sequence similarity, is expected to react with: Mouse, Dog, Primate, Xenopus, Zebrafish, Human, Bovine, Chicken

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 MEK5 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.

Buffer Solution	10mM HEPES pH7.5, 150mM NaCl
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 0.01% Bovine Serum Albumin 50% Glycerol
Immunogen	Synthetic phosphopeptide corresponding to an amino acid sequence within MEK5 , which includes the phosphorylated residues Ser311 and Thr315.
External Database Links	<p>UniProt: Q62862 Related reagents</p> <p>Entrez Gene: 29568 Map2k5 Related reagents</p>
Synonyms	Mek5, Mkk5, Prkmk5
RRID	AB_906184
Specificity	<p>Rabbit anti Rat MEK 5 (pSer311/pThr315) antibody recognizes MAPK/ERK kinase 5 (MEK 5), also known as dual specificity mitogen-activated protein kinase kinase 5 (MAPKK 5), when phosphorylated at serine 311 and threonine 315.</p> <p>MEK5 is a dual specificity serine/threonine protein kinase belonging to the MAP kinase kinase family, which acts as a key regulator in a mitogen-activated protein (MAP) kinase cascade, and hence growth factor-induced cellular stimulation. MEK5 exists in naturally occurring MEK5alpha and MEK5beta splice variants, the former of which is known to specifically activate/regulate MAPK7/ERK5/BMK1, whilst the latter may act as a suppressor of MAPK7 activation. Activation of MEK5 itself is regulated by upstream MAP3K3/MEKK3, and phosphorylation of MEK5 at both the serine 311 and threonine 315 sites has been implicated in cell proliferation.</p>
Western Blotting	AHP1302 detects a band of approximately 49kDa in rat testes cell lysates.
References	1. Cameron, S.J. <i>et al.</i> (2004) Differential role of MEK5alpha and MEK5beta in BMK1/ERK5 activation. J Biol Chem. 279 (2): 1506-12.
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 <https://www.bio-rad-antibodies.com/SDS/AHP130210088>

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](#)

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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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