

Datasheet: AHP916

Description:	RABBIT ANTI MEK 1 (pThr386)
Specificity:	MEK 1 (pThr386)
Other names:	MITOGEN ACTIVATED PROTEIN KINASE 1
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	<p>Reacts with: Rat</p> <p>Based on sequence similarity, is expected to react with: Monkey, Mouse, Dog, Xenopus, Bovine, Chicken</p> <p>N.B. Antibody reactivity and working conditions may vary between species.</p>
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to phosphorylated MEK 1 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 within human MEK 1 which includes the phosphorylated residue Thr386.

External Database Links

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

Entrez Gene:
[5604](#) MAP2K1 [Related reagents](#)

Synonyms MEK1, PRKMK1

Specificity **Rabbit anti MEK 1 (pThr386) 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 386.

MEK 1 is an integral component of the MAP kinase cascade that regulates cell growth and differentiation, and may also play a role in brain synaptic plasticity.

MEK 1 may be phosphorylated by MAP kinase at threonine 292 or threonine 386.

Western Blotting AHP916 detects a band of approximately 45kDa in human T47D lysates .

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 available at:
Material Safety Datasheet Documentation #10088 available at:
<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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