

Datasheet: AHP901

Description:	RABBIT ANTI ERK / MAPK (pThr202/pTyr204)
Specificity:	ERK / MAPK (pThr202/pTyr204)
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

Rat

Species Cross Reactivity

Reacts with: Human

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

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 rat ERK/MAPK were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution	10mM HEPES pH7.5, 150mM NaCl
Preservative Stabilisers	0.05% Sodium Azide 0.01% Bovine Serum Albumin 50% Glycerol
Immunogen	Synthetic phosphopeptide corresponding to an amino acid sequence within rat ERK/MAPK which includes phosphorylated Thr202 and Tyr204.
External Database Links	<p>UniProt:</p> <p>P21708 Related reagents</p> <p>P63086 Related reagents</p> <p>Entrez Gene:</p> <p>50689 Mapk3 Related reagents</p> <p>116590 Mapk1 Related reagents</p>
Synonyms	Erk1, Erk2, Mapk, Prkm1, Prkm3
RRID	AB_566958
Specificity	<p>Rabbit anti Rat ERK/MAPK (pThr202/pTyr204) antibody recognizes extracellular regulated kinase (ERK), also known as MAPK, when phosphorylated at threonine 202 and tyrosine 204.</p> <p>ERK/MAPK is an important integration point of many signaling pathways, for a range of cellular processes including proliferation, differentiation, transcription regulation and development. Upon phosphorylation, activated ERK/MAPK translocates to the nucleus, where it phosphorylates nuclear targets.</p>
Western Blotting	AHP901 recognises a band of approximately 43kD in human T47D lysates.
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 Information	Material Safety Datasheet documentation #10088 available at: https://www.bio-rad-antibodies.com/SDS/AHP90110088
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

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