

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)	■			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	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.
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	0.05% Sodium Azide
Stabilisers	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

UniProt:

[P21708](#) [Related reagents](#)

[P63086](#) [Related reagents](#)

Entrez Gene:

[50689](#) Mapk3 [Related reagents](#)

[116590](#) Mapk1 [Related reagents](#)

Synonyms

Erk1, Erk2, Mapk, Prkm1, Prkm3

Specificity

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.

ERK/MAPK is an important integration point of many signalling 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.

Western Blotting

AHP901 recognises a band of approximately 43kD 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 #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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