

Datasheet: AHP2738

Description:	RABBIT ANTI CREB1
Specificity:	CREB1
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 - 1/3000

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 Human

Product Form Purified IgG - liquid

Antiserum Preparation Antiserum to CREB1 was raised by repeated immunisation 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 Recombinant fusion protein containing a sequence corresponding to amino acids 1-341 of human CREB1

External Database

Links

UniProt:

[P16220](#) [Related reagents](#)

Entrez Gene:

[1385](#) CREB1 [Related reagents](#)

Specificity

Rabbit anti CREB1 antibody recognizes cyclin AMP-responsive element-binding protein 1, also known as CREB-1. It belongs to the family of transcription factors mediating gene expression in neuronal and non-neuronal cells ([Lonze et al. 2002](#)). CREB1 is activated in response to growth factor stimulation, electrical stimulation and synaptic activity ([Shaywitz and Greenberg 1999](#)). In

mice, disruption of CREB1 function results in neurodegeneration ([Mantamadiotis et al. 2002](#)). CREB1 is overexpressed in gliomas and promotes gliomagenesis acting as a modulator of oncogenic microRNA-23a ([Tan et al. 2012](#)). CREB1, together with SETD2, contribute to cisplatin cytotoxicity regulating the ERK signalling pathway ([Kim et al. 2018](#)).

Western Blotting	Rabbit anti CREB1 antibody detects a band of approximately 40 kDa in various cell ant tissue lysates under reducing conditions
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Storage	Store at -20°C 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.
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10049 available at: 10049: https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf
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Regulatory	For research purposes only
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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](#)

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