

Datasheet: AHP2719

Description:	RABBIT ANTI PKA C-ALPHA
Specificity:	PKA C-ALPHA
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 - 1/2000

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 PKA C-alpha 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 Stabilisers	0.05% ProClin 300 50% Glycerol
Immunogen	A synthetic peptide corresponding to amino acids 9-40 of human PKA C-alpha

External Database Links

UniProt:

[P17612](#) [Related reagents](#)

Entrez Gene:

[5566](#) PRKACA [Related reagents](#)

Synonyms	PKACA
Specificity	Rabbit anti PKA C-alpha antibody recognizes cAMP-dependent protein kinase catalytic subunit alpha, also known as PRKACA. The function and specificity of PKA C-alpha depend on subcellular localization, expression of isoforms and physio-chemical features (Søberg et al. 2013, Skalhegg and Tasken 2000). It phosphorylates a large number of proteins, for example, p50 at serine 337 (Guan et al. 2005), claudin-4 at threonine 192 (D'Souza et al. 2005). Dnajb1–Prkaca gene fusion drives tumorigenesis in mice (Kastenhuber et al. 2017).
Western Blotting	Rabbit anti PKA C-alpha antibody detects a band of approximately 41 kDa in HeLa cell lysate under reducing conditions
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.
Guarantee	12 months from date of despatch
Acknowledgements	ProClin is a trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow.
Health And Safety Information	Material Safety Datasheet documentation #20376 available at: https://www.bio-rad-antibodies.com/SDS/AHP2719 20376
Regulatory	For research purposes only

Related Products

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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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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