

Datasheet: AHP3009

BATCH NUMBER 169603

Description:	GOAT ANTI CDK10
Specificity:	CDK10
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

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	▪			3 µg/ml - 0.5 µg/ml

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	Antisera to human CDK10 were raised by repeated immunisations of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
------------------------------	--

Buffer Solution	TRIS buffered saline
------------------------	----------------------

Preservative	0.02% Sodium Azide
Stabilisers	0.5% Bovine Serum Albumin

Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
---------------------------------------	-----------------------------

Immunogen	Peptide with sequence AEPDLECEQIRLK , from the N Terminus of the protein sequence according to NP_443714.3.
------------------	---

Specificity	Goat anti Human CDK10 antibody recognizes cyclin-dependent kinase 10 (CDK10),
--------------------	--

also known as serine/threonine-protein kinase PISSLRE.

Cyclin-dependent kinases (CDKs) are serine/threonine kinases with activity regulated by specific cyclin partners, and by CDK inhibitors (CKIs). CDKs are well-known for controlling progression through the cell cycle, but also regulate many other cellular processes ([Lim and Kaldis 2013](#)). Cyclin M interacts with CDK10, and the CDK10/Cyclin M complex mediates degradation of the oncoprotein and transcription factor ETS2 ([Guen et al., 2013](#)). Loss of CDK10 appears to be a major determinant of resistance to endocrine therapy for breast cancer ([Iorns et al., 2008](#)). In addition, CDK10 seems to act as a tumor suppressor in nasopharyngeal carcinoma and in gastric cancer ([You et al., 2018](#)). Using a zebrafish model, CDK10 was found to participate in transcriptional complexes that play key roles during development ([Guen et al., 2017](#)).

Western Blotting	Goat anti Human CDK10 antibody detects a band of approximately 38 kDa in cell lysates.
Storage	Store at -20°C only. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10058 available at: https://www.bio-rad-antibodies.com/SDS/AHP3009 10058
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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

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)
'M428220:240301'

Printed on 23 May 2025