

## Datasheet: AHP3009

**BATCH NUMBER 155761**

<b>Description:</b>	GOAT ANTI CDK10
<b>Specificity:</b>	CDK10
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antisera to human CDK10 were raised by repeated immunisations of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
<b>Buffer Solution</b>	TRIS buffered saline
<b>Preservative Stabilisers</b>	0.02% Sodium Azide 0.5% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml
<b>Immunogen</b>	Peptide with sequence AEPDLECEQIRLK , from the N Terminus of the protein sequence according to NP_443714.3.
<b>Specificity</b>	<b>Goat anti Human CDK10 antibody</b> 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](#)).

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<b>Western Blotting</b>	Goat anti Human CDK10 antibody detects a band of approximately 38 kDa in cell lysates.
<b>Storage</b>	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.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10058 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP3009">https://www.bio-rad-antibodies.com/SDS/AHP3009</a> 10058
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [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](https://www.bio-rad-antibodies.com/datasheets)

'M390923:211007'

**Printed on 01 Mar 2024**

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