

Datasheet: AHP3009

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: 10058: https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf
Regulatory	For research purposes only

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)
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