

Datasheet: AHP1245

Description:	RABBIT ANTI CYCLIN E
Specificity:	CYCLIN E
Other names:	CCNE1
Format:	Serum
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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/2000
Immunoprecipitation	▪			1/100
Western Blotting	▪			1/2000 - 1/10 000
Functional Assays			▪	

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
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Serum - liquid

Antiserum Preparation Antisera to cyclin E were raised by repeated immunisations of rabbits with highly purified antigen.

Preservative Stabilisers	0.01% Sodium Azide (NaN ₃)
Immunogen	Synthetic peptide corresponding to a region near the C-terminus of human Cyclin E conjugated to KLH.

External Database Links	UniProt: P24864 Related reagents
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Entrez Gene:

[898](#) [CCNE1](#) [Related reagents](#)

Synonyms	CCNE
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Specificity	<p>Rabbit anti Human Cyclin E antibody detects cyclin E, a nuclear protein which is the regulatory subunit of cyclin dependent kinase 2 (Cdk2), and controls S phase entry in cells. Cyclin E follows a cyclic pattern of expression during the cell cycle, with highest expression at the G1-S boundary.</p> <p>Although cyclin E has an important physiological role in normal cell division, recent reports suggest this function is redundant, and its key functions occur as cells exit quiescence, and in endoreduplication.</p> <p>Cyclin E is tightly regulated during normal cell cycles, but is often deregulated in carcinomas, lymphoma, and leukaemia.</p>
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Western Blotting	AHP1245 detects a band of approximately 45kDa in from human, rat and mouse tissue.
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Further Reading	<ol style="list-style-type: none">1. Hwang, H.C. & Clurman, B.E. (2005) Cyclin E in normal and neoplastic cell cycles. Oncogene. 24 (17): 2776-86.2. Zhang, H. (2007) Life without kinase: cyclin E promotes DNA replication licensing and beyond. Mol Cell. 25 (2): 175-6.
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Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
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Shelf Life	18 months from date of despatch.
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Health And Safety Information	Material Safety Datasheet documentation #10081 available at: 10081: https://www.bio-rad-antibodies.com/uploads/MSDS/10081.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](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
- Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

North & South Tel: +1 800 265 7376

America 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

'M316899:180613'

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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