

Datasheet: AHP1245

BATCH NUMBER 180604

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. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

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)
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Immunogen	Synthetic peptide corresponding to a region near the C-terminus of human Cyclin E conjugated to KLH.
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External Database Links	UniProt: P24864 Related reagents Entrez Gene: 898 CCNE1 Related reagents
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Synonyms	CCNE
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RRID	AB_2228590
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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	Store at +4°C or at -20°C if preferred. 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.
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Guarantee	18 months from date of despatch.
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Health And Safety Information	Material Safety Datasheet documentation #10081 available at: https://www.bio-rad-antibodies.com/SDS/AHP1245 10081
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Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

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

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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

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