Datasheet: AHP1245

BATCH NUMBER 170109

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)
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 **Entrez Gene:** 898 CCNE1 Related reagents
Synonyms	CCNE
RRID	AB_2228590
Specificity	**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. 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. Cyclin E is tightly regulated during normal cell cycles, but is often deregulated in carcinomas, lymphoma, and leukaemia.
Western Blotting	AHP1245 detects a band of approximately 45kDa in from human, rat and mouse tissue.
Further Reading	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.
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.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10081 available at: https://www.bio-rad-antibodies.com/SDS/AHP1245 10081

Regulatory	For research purposes only

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)

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

'M363868:200529'

Printed on 12 Aug 2023

© 2023 Bio-Rad Laboratories Inc | Legal | Imprint