abcam

Product datasheet

Anti-Cyclin E2 antibody [E142] - BSA and Azide free ab228478

重组 RabMAb

6 图像

概述

产品名称	Anti-Cyclin E2抗体[E142] - BSA and Azide free
描述	兔单克隆抗体[E142] to Cyclin E2 - BSA and Azide free
宿主	Rabbit
经测试应用	**适用于:** ICC/IF, WB
种属反应性	**与反应:** Mouse, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Human breast carcinoma, HeLa cells lysates, Jurkat cell lysate
常规说明	ab228478 is the carrier-free version of **ab32103**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C. Do Not Freeze.
存储溶液	pH: 7.20 Constituent: PBS

无载体	**是**
纯度	Protein A purified
克隆	单克隆
克隆编号	E142
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab228478于以下的经测试应用**

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

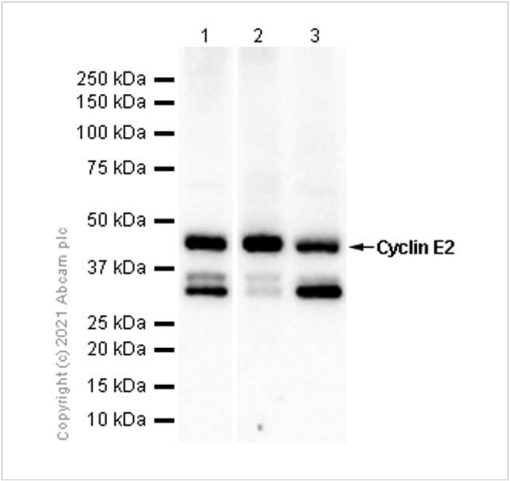
应用	Ab评论	说明
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 45 kDa.

靶标

相关性 The human Cyclin E2 gene encodes a 404 amino acid protein that is most closely related to Cyclin E. Cyclin E2 mRNA levels peaks at the G1 / S transition. Cyclin E2 associates with Cdk2 in a functional kinase complex that is inhibited by both p27 (Kip1) and p21 (Cip1). Cyclin E2 / Cdk2 phosphorylates histone H1 in vitro. G1 cyclin E controls the initiation of DNA synthesis by activating CDK2. Abnormally high levels of cyclin E expression have frequently been observed in human cancers. Unlike Cyclin E1, which is expressed in great majority of proliferating normal and neoplastically transformed cells, Cyclin E2 levels are low to undetectable in non transformed cells and increase significantly in neoplasm derived cells.

细胞定位 Nuclear

图片



Western blot - Anti-Cyclin E2 antibody [E142] - BSA and Azide free (ab228478)

All lanes : Anti-Cyclin E2 antibody [E142] (**ab32103**) at 1/200 dilution (Purified)

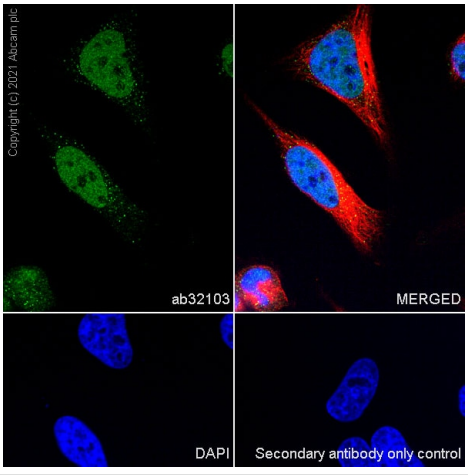
Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate
Lane 2 : Mouse testis lysate
Lane 3 : Mouse thymus lysate

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 45 kDa
Observed band size: 45 kDa

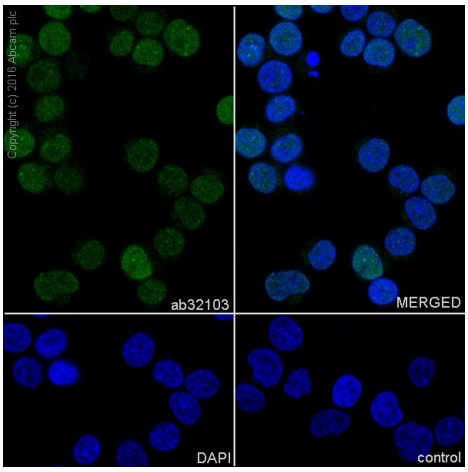
This data was developed using the same antibody clone in a different buffer formulation (**ab32103**)



Immunocytochemistry/ Immunofluorescence - Anti-Cyclin E2 antibody [E142] - BSA and Azide free (ab228478)

This data was developed using **ab32103**, the same antibody clone in a different buffer formulation.

Immunocytochemistry analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling Cyclin E2 with purified **ab32103** at 1/50 dilution (5.2 µg/mL). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/mL). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/mL) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.

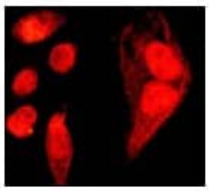


Immunocytochemistry/ Immunofluorescence - Anti-Cyclin E2 antibody [E142] - BSA and Azide free (ab228478)

This ICC data was generated using the same anti-Cyclin E2 antibody clone, E142, in a different buffer formulation (cat# **ab32103**).

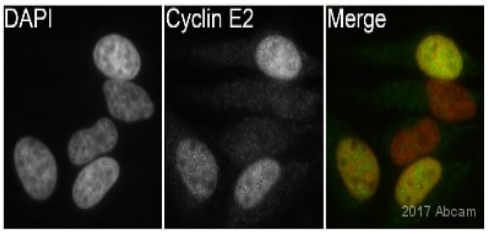
Immunocytochemistry/Immunofluorescence analysis of Jurkat cells labelling Cyclin E2 with purified **ab32103** at 1/2000. Cells were fixed with 4% Paraformaldehyde and permeabilised with 0.1% tritonX-100. An Alexa Fluor® 488-conjugated goat anti-rabbit IgG (**ab150077**) at 1/1000 dilution was used as the secondary antibody. Nuclei counterstained with DAPI (blue).

Secondary Only Control: PBS was used instead of the primary antibody as the negative control.



Immunocytochemistry/ Immunofluorescence - Anti-Cyclin E2 antibody [E142] - BSA and Azide free (ab228478)

Immunofluorescent analysis of Cyclin E2 expression in HeLa cell culture using 1/100 **ab32103**.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32103**).

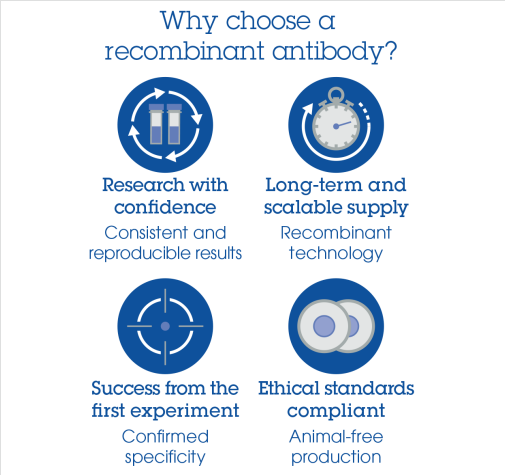


Immunocytochemistry/ Immunofluorescence - Anti-Cyclin E2 antibody [E142] - BSA and Azide free (ab228478)

This image is courtesy of an Abreview submitted by Kirk Mcmanus.

ab32103 staining Cyclin E2 in the Hela cell line from Human cervix by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with paraformaldehyde, permeabilized with 0.5% Triton X-100. Samples were incubated with primary antibody (1/500 in PBS) for 1 hour at 22°C. Ab150081 (1/200) was used as the secondary antibody.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32103**).



Anti-Cyclin E2 antibody [E142] - BSA and Azide free (ab228478)

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