

Product datasheet

Anti-Cyclin G2 antibody ab54901

★★★★★ 2 Abreviews 1 References 3 Images

Overview

Product name	Anti-Cyclin G2 antibody
Description	Mouse monoclonal to Cyclin G2
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human, Recombinant fragment
Immunogen	Recombinant full length protein, corresponding to amino acids 1-345 of Human Cyclin G2
General notes	Abcam is committed to meeting high standards of ethical manufacturing and has decided to discontinue this product by June 2019 as it has been generated by the ascites method. We are sorry for any inconvenience this may cause. We would recommend antibody ab18 as a replacement.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None PBS, pH 7.2
Purity	Protein G purified
Clonality	Monoclonal
Isotype	IgG1
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab54901** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★	

Application	Abreviews	Notes
-------------	-----------	-------

ICC/IF

Application notes

ICC/IF: Use at a concentration of 10 µg/ml.

WB: Use at a concentration of 1 - 5 µg/ml.

This antibody has only been tested in WB against the recombinant fragment used as immunogen. We have no data on the detection of endogenous protein.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Function

May play a role in growth regulation and in negative regulation of cell cycle progression.

Tissue specificity

High levels in cerebellum, thymus, spleen and prostate. Low levels in skeletal muscle.

Sequence similarities

Belongs to the cyclin family. Cyclin G subfamily.

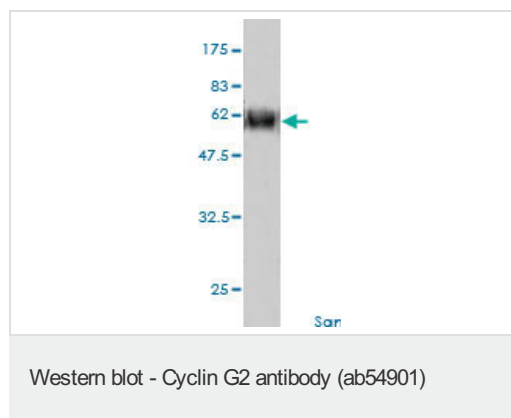
Developmental stage

Expression levels increase through the cell cycle to peak in the mid/late-S phase and decrease during G2/M phase.

Cellular localization

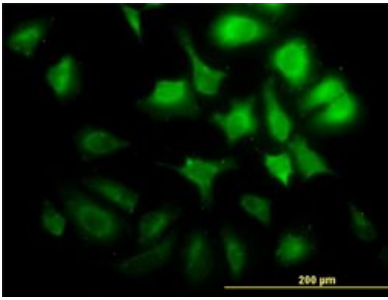
Cytoplasm.

Images



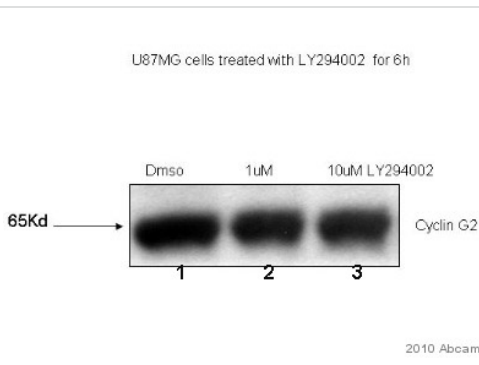
Western blot against tagged recombinant protein immunogen using ab54901 Cyclin G2 antibody at 1µg/ml. Predicted band size of recombinant, tagged immunogen is 64 kDa.

This antibody has only been tested in WB against the recombinant fragment used as immunogen. We have no data on the detection of endogenous protein.



Immunocytochemistry/ Immunofluorescence-Cyclin G2 antibody(ab54901)

ab54901 at 10 ug/ml staining Cyclin G2 in human HeLa cells by Immunocytochemistry / Immunofluorescence.



Western blot - Cyclin G2 antibody (ab54901)
This image is courtesy of an anonymous Abreview

All lanes : Anti-Cyclin G2 antibody (ab54901) at 1/1000 dilution (in TBST + 5% milk for 16 hours at 4°C)

Lane 1 : Whole cell lysate of Human U87MG tumour cell line treated with DMSO

Lane 2 : Whole cell lysate of Human U87MG tumour cell line treated with 1 μM LY294002 for 6 hours

Lane 3 : Whole cell lysate of Human U87MG tumour cell line treated with 10 μM LY294002 for 6 hours

Lysates/proteins at 50 μg per lane.

Secondary

An HRP-conjugated Goat anti-mouse polyclonal at 1/10000 dilution
Developed using the ECL technique

Performed under reducing conditions.

Observed band size : 64 kDa

Exposure time : 10 minutes

This image is courtesy of an anonymous Abreview

Blocking Step : 5% Milk for 1 hour at 23°C

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors