

# p21 Cip1 antibody [GT8611]

# Cat. No. GTX629627

| Host         | Mouse           |
|--------------|-----------------|
| Clonality    | Monoclonal      |
| Isotype      | lgG2b           |
| Applications | WB, ICC/IF, FCM |
| Reactivity   | Human           |

References (1)
Package
100 µl, 25 µl

# Applications

## **Application Note**

\*Optimal dilutions/concentrations should be determined by the researcher.

| Suggested dilution                | Recommended dilution |
|-----------------------------------|----------------------|
| WB                                | 1:500-1:3000         |
| ICC/IF                            | 1:100-1:1000         |
| FCM                               | Assay dependent      |
| Not tested in other applications. |                      |

Calculated MW 18 kDa. ( Note )

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| Properties |                                       |
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| Form          | Liquid   |
|---------------|--|
| Buffer        | PBS  |
| Preservative  | No preservatives   |
| Storage       | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |
| Concentration | 1 mg/ml (Please refer to the vial label for the specific concentration.)   |
| Immunogen     | Recombinant protein encompassing a sequence within the center region of human p21 Cip1. The exact sequence is proprietary.   |
| Purification  | Affinity purified by Protein G.  |
| Conjugation   | Unconjugated   |
| Note          | For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.  |
| Note          | Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.  |

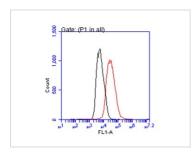


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#### DATA IMAGES



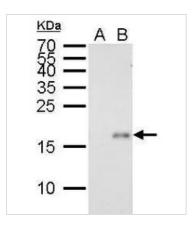
#### GTX629627 FCM Image

p21 Cip1 antibody [GT8611] (GTX629627) detects p21 Cip1 by flow cytometry analysis. Sample: HepG2 cell.

Black: Unlabelled sample was used as a control.

Red: p21 Cip1 antibody [GT8611] (GTX629627) dilution: 1:50.

Acquisition of 20,000 events were collected for FACS analysis.



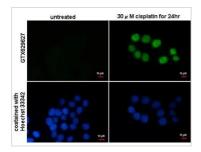
#### GTX629627 WB Image

p21 Cip1 antibody [GT8611] detects p21 Cip1 protein by Western blot analysis. A. 30  $\mu$ g HCT116 whole cell lysate/extract (untreated)

B. 30  $\mu g$  HCT116 whole cell lysate/extract (30  $\mu M$  Cisplatin treatment for 24 hr)

15 % SDS-PAGE

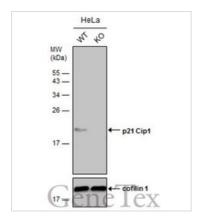
p21 Cip1 antibody [GT8611] (GTX629627) dilution: 1:1000



#### GTX629627 ICC/IF Image

p21 Cip1 antibody [GT8611] detects p21 Cip1 protein at nucleus by immunofluorescent analysis. Sample: HCT116 cells treated with  $30\mu M$  cisplatin for 24hr and were fixed in 4% paraformaldehyde at RT for 15 min

Green: p21 Cip1 protein stained by p21 Cip1 antibody [GT8611] (GTX629627) diluted at 1:500. Blue: Hoechst 33342 staining.



### GTX629627 WB Image

Wild-type (WT) and p21 Cip1 knockout (KO) HeLa cell extracts ( $30 \mu g$ ) were separated by 15% SDS-PAGE, and the membrane was blotted with p21 Cip1 antibody [GT8611] (GTX629627) diluted at 1:500. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



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