

# Product Datasheet

## **p27/Kip1 Antibody (SPM348) - Azide and BSA Free NBP2-34766-0.1mg**

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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Updated 7/16/2024 v.20.1

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**NBP2-34766-0.1mg**

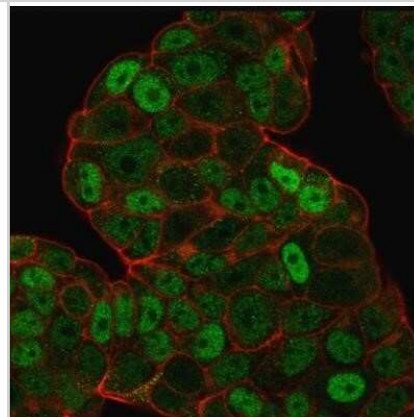
p27/Kip1 Antibody (SPM348) - Azide and BSA Free

| Product Information         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size                   | 0.1 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Concentration               | 1.0 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Storage                     | Store at -20 to -80C. Avoid freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Clonality                   | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Clone                       | SPM348                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Preservative                | No Preservative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Isotype                     | IgG1 Kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Purity                      | Protein A or G purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Buffer                      | 10 mM PBS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Product Description         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Description                 | 1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-32890).<br><br>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.                                                                                                                                                                                                                   |
| Host                        | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene ID                     | 1027                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Symbol                 | CDKN1B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Species                     | Human, Mouse, Rat, Monkey                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Specificity/Sensitivity     | This monoclonal antibody recognizes a 27kDa protein, identified as the p27Kip1, a cell cycle regulatory mitotic inhibitor. It is highly specific and shows no cross-reaction with other related mitotic inhibitors. p27Kip1 functions as a negative regulator of G1 progression and has been proposed to function as a possible mediator of TGF- induced G1 arrest. p27Kip1 is a candidate tumor suppressor gene. This monoclonal antibody is excellent for staining of formalin-fixed tissues. |
| Immunogen                   | Purified GST-p27 fusion protein of Mouse origin (Uniprot: P46527)                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product Application Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Applications                | Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready                                                                                                                                                                                                                                                                                                                                                                                       |
| Recommended Dilutions       | Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 0.5-1ug/ml, Immunohistochemistry-Paraffin 0.5-1ug/ml, CyTOF-ready                                                                                                                                                                                                                                                                                                                                                                 |
| Application Notes           | Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.                                                                                                                                                                                     |

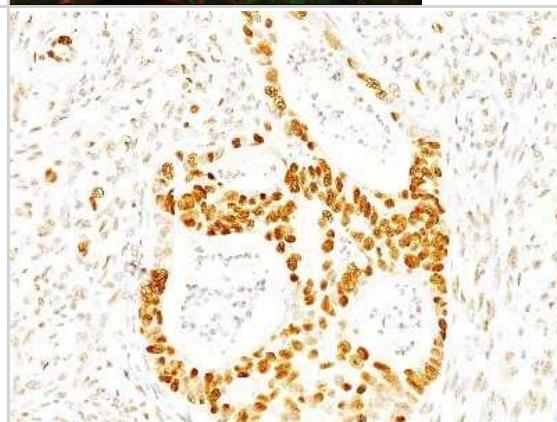


## Images

Immunocytochemistry/Immunofluorescence: p27/Kip1 Antibody (SPM348) - Azide and BSA Free [NBP2-34766] - Analysis of PFA-fixed MCF-7 cells labeling p27 with p27/Kip1 Antibody (SPM348) followed by goat anti-mouse IgG-CF488. Membrane is stained with Phalloidin-CF640.



Immunohistochemistry-Paraffin: p27/Kip1 Antibody (SPM348) - Azide and BSA Free [NBP2-34766] - Human colon stained with p27 MAb (SPM348)



Immunohistochemistry-Paraffin: p27/Kip1 Antibody (SPM348) - Azide and BSA Free [NBP2-34766] - Human Prostate stained with p27/Kip1 Antibody (SPM348).





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### **Products Related to NBP2-34766-0.1mg**

|                  |                                                         |
|------------------|---------------------------------------------------------|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |
| NBP1-72503-100ug | Recombinant Human p27/Kip1 His Protein                  |

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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