

## 36-1009: Monoclonal Antibody to p27Kip1 (Mitotic Inhibitor/Suppressor Protein)(Clone : SPM348)

|                                |   |
|--------------------------------|---|
| <b>Clonality :</b>             | Monoclonal                                      |
| <b>Clone Name :</b>            | SPM348  |
| <b>Application :</b>           | IF,IHC  |
| <b>Reactivity :</b>            | Human, Mouse, Rat                               |
| <b>Gene :</b>                  | CDKN1B  |
| <b>Gene ID :</b>               | 1027  |
| <b>Uniprot ID :</b>            | P46527  |
| <b>Format :</b>                | Purified  |
| <b>Alternative Name :</b>      | CDKN1B,KIP1                                     |
| <b>Isotype :</b>               | Mouse IgG1, kappa                               |
| <b>Immunogen Information :</b> | Purified GST-p27 fusion protein of mouse origin |

### Description

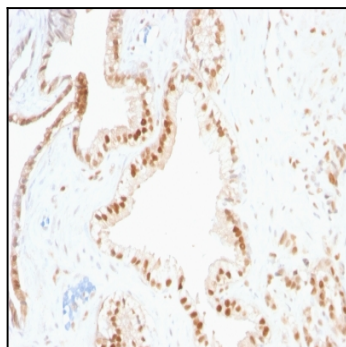
This MAb recognizes a 27kDa protein, identified as the p27Kip1, a cell cycle regulatory mitotic inhibitor. It is highly specific and shows no cross-reaction with other related mitotic inhibitors. p27Kip1 functions as a negative regulator of G1 progression and has been proposed to function as a possible mediator of TGF- induced G1 arrest. p27Kip1 is a candidate tumor suppressor gene. This MAb is excellent for staining of formalin-fixed tissues.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 100 µg  |
| <b>Purification :</b>      | Affinity Chromatography   |
| <b>Content :</b>           | 100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.                               |
| <b>Storage condition :</b> | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

### Application Note

Immunofluorescence (1-2ug/ml); 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 95&degC followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with p27 Monoclonal Antibody (SPM348)