

## p27Kip1 (Mitotic Inhibitor/Suppressor Protein) Antibody

Mouse Monoclonal Antibody [Clone SPM348]

Catalog No	Format	Size
1027-MSM1X-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1027-MSM1X-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1027-MSM1X-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

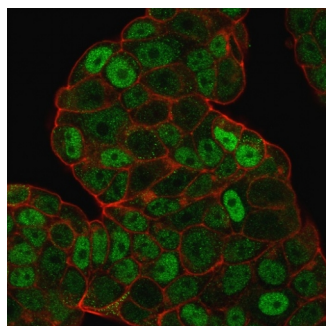
Applications	Tested Dillution	Note
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

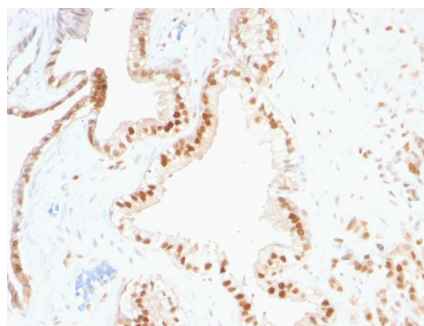
<b>Clone</b>	SPM348
<b>Gene Name</b>	CDKN1B
<b>Immunogen</b>	Purified GST-p27 fusion protein of Mouse origin
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	25-26kDa
<b>Cellular Localization</b>	Cytoplasm, Endosome, Nucleus
<b>Species Reactivity</b>	Human, Monkey, Mouse, Rat
<b>Positive Control</b>	Breast or Colon Ca., MCF7 cells. Tonsil, MDA-MB-231, SK-BR-3, T47D, ZR75

\*Optimal dilution for a specific application should be determined.

### Product Images for p27Kip1 (Mitotic Inhibitor/Suppressor Protein) Antibody



Immunofluorescence Analysis of PFA-fixed MCF-7 cells labeling p27 with p27 Mouse Monoclonal Antibody (SPM348) followed by goat anti-mouse IgG-CF488. Membrane is stained with Phalloidin-CF640.



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

**Specificity & Comments**

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.

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**Supplied As**

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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**Storage and Stability**

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

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**Research Areas**

Cancer, Cardiovascular, Hypoxia, Immunology, AKT Signaling, Cytokine Signaling, Infectious Disease, Lung Cancer, Nuclear Marker, Ovarian Cancer, Signal Transduction, Transcription Factors

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**Limitations and Warranty**

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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