

p27Kip1 (Mitotic Inhibitor/Suppressor Protein) Antibody

Mouse Monoclonal Antibody [Clone KIP1/769]

Catalog No	Format	Size
1027-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1027-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1027-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

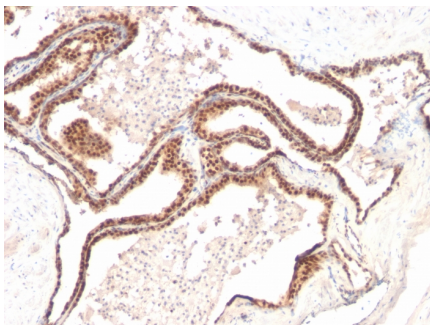
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

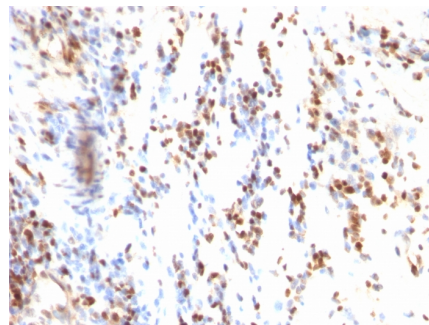
Clone	KIP1/769
Gene Name	CDKN1B
Immunogen	Recombinant full-length human CDKN1B protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1
Mol. Weight of Antigen	25-26kDa
Cellular Localization	Cytoplasm, Endosome, Nucleus
Species Reactivity	Human
Positive Control	ZR75, MCF7, MDA-MB-231 or SK-BR-3 cells.

*Optimal dilution for a specific application should be determined.

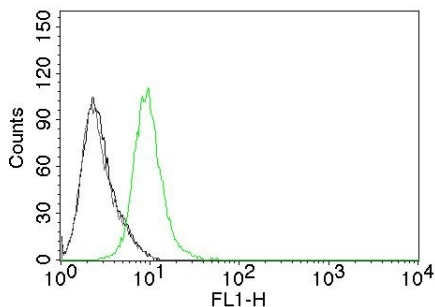
Product Images for p27Kip1 (Mitotic Inhibitor/Suppressor Protein) Antibody



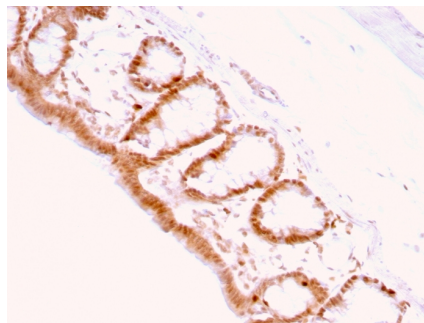
Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with p27 Mouse Monoclonal Antibody (KIP1/769).



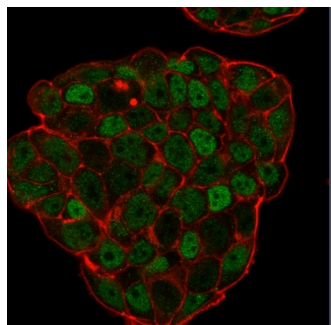
Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with p27 Mouse Monoclonal Antibody (KIP1/769).



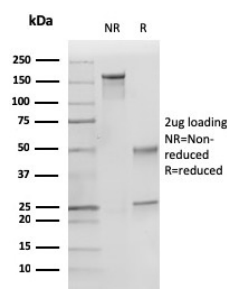
Flow Cytometry of human p27 on Jurkat cells. Black: cells alone; Grey: Isotype Control; Green: AF488-labeled p27 Mouse Monoclonal Antibody (KIP1/769).



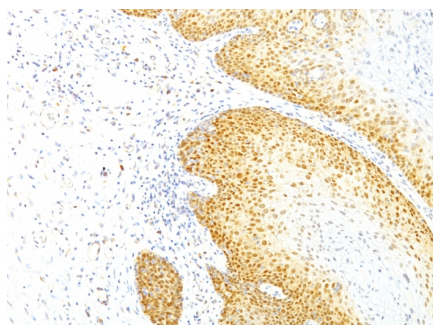
Formalin-fixed, paraffin-embedded rat Colon Carcinoma stained with p27 Mouse Monoclonal Antibody (KIP1/769).



Immunofluorescence Analysis of PFA-fixed MCF-7 cells labeling p27 with p27 Mouse Monoclonal Antibody (KIP1/769) followed by Goat anti-Mouse IgG-CF488 (Green). Membrane is stained with Phalloidin-CF640



SDS-PAGE Analysis Purified p27 Mouse Monoclonal Antibody (KIP1/769). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Cervical Carcinoma stained with p27 Mouse Monoclonal Antibody (KIP1/769).

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.

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.

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.

Research Areas

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

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.