

p27Kip1 (Mitotic Inhibitor/Suppressor Protein) Antibody

Mouse Monoclonal Antibody [Clone DCS-72.F6]

Catalog No	Format	Size
1027-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1027-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1027-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

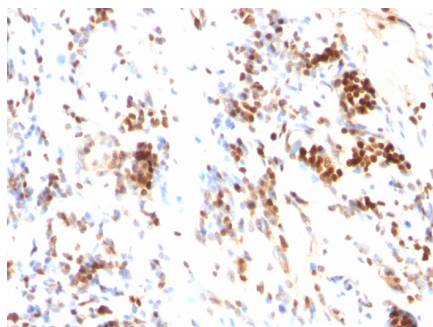
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling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

Product Details

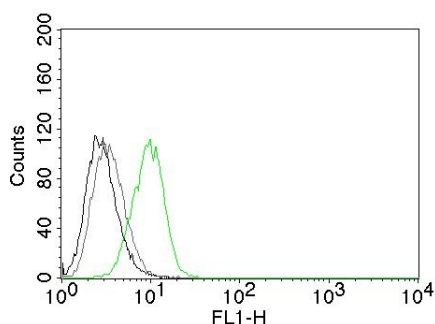
Clone	DCS-72.F6
Gene Name	CDKN1B
Immunogen	Recombinant full-length Mouse p27 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	25-26kDa
Cellular Localization	Cytoplasm, Endosome, Nucleus
Species Reactivity	Human, Monkey, Mouse, Rat
Positive Control	Breast, Cervical or Colon Carcinoma., HeLa or MCF7 cells. Tonsil, MDA-MB-231, SK-BR-3, T47D, ZR75

*Optimal dilution for a specific application should be determined.

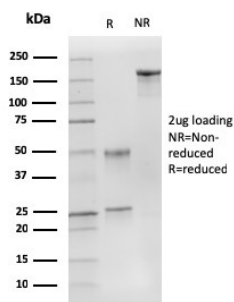
Product Images for p27Kip1 (Mitotic Inhibitor/Suppressor Protein) Antibody



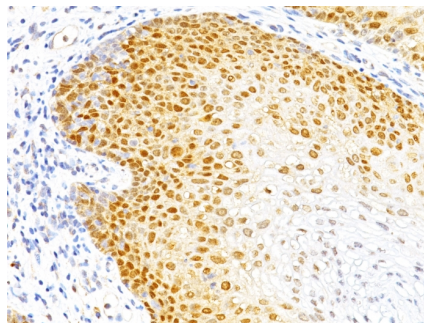
Formalin-fixed, paraffin-embedded human Colon Cancer stained with p27 Monoclonal Antibody (DCS-72.F6)



Flow Cytometry of human p27 on HeLa cells. Black: cells alone; Grey: Isotype Control; Green: AF488-labeled p27 Monoclonal Antibody (DCS-72.F6).



SDS-PAGE Analysis of Purified p27 MAb (DCS-72.F6). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Cervical Cancer stained with p27 Monoclonal Antibody (DCS-72.F6)

Specificity & Comments

Recognizes a 27kDa protein, identified as the p27Kip1, a cell cycle regulatory mitotic inhibitor. Its epitope spans between aa 83-204 of p27. 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 co-precipitates cdk4 in complex p27Kip1 and 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, Hypoxia, 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.