

# Product Datasheet

## p27/Kip1 Antibody (KIP1/769)

### NBP2-44495-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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**NBP2-44495-0.1mg**

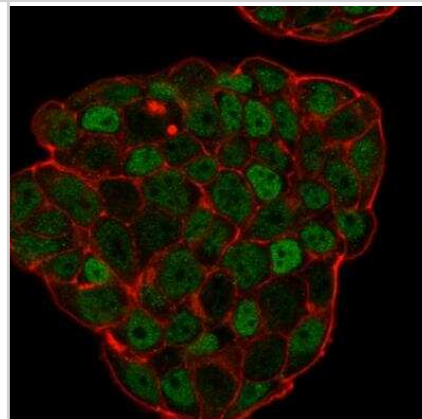
p27/Kip1 Antibody (KIP1/769)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	KIP1/769
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47769)  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	Recombinant full-length human p27/Kip1 protein (Uniprot: P46527)
Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 0.25-0.5 ug/ml, Flow (Intracellular)
Application Notes	Immunohistochemistry (Formalin-fixed): 0.25-0.5ug/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

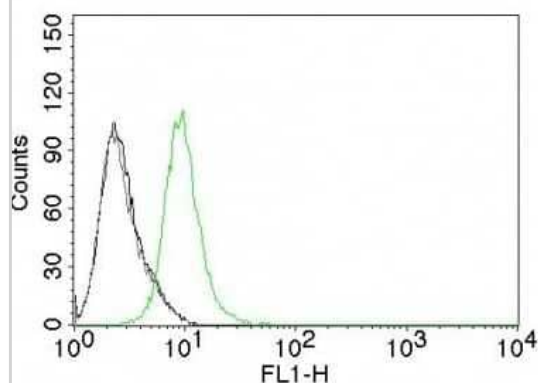
Immunocytochemistry/Immunofluorescence: p27/Kip1 Antibody (KIP1/769) [NBP2-44495] - Analysis of PFA-fixed MCF-7 cells labeling p27 with p27/Kip1 Antibody (KIP1/769) followed by Goat anti-Mouse IgG-CF488 (Green). Membrane is stained with Phalloidin-CF640.



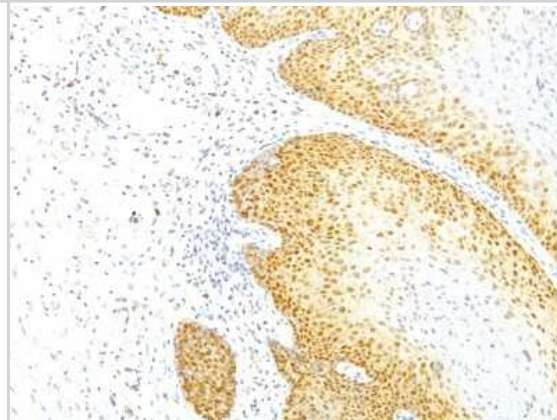
Immunohistochemistry-Paraffin: p27/Kip1 Antibody (KIP1/769) [NBP2-44495] - Rat Colon stained with p27 Monoclonal Antibody (KIP1/769)



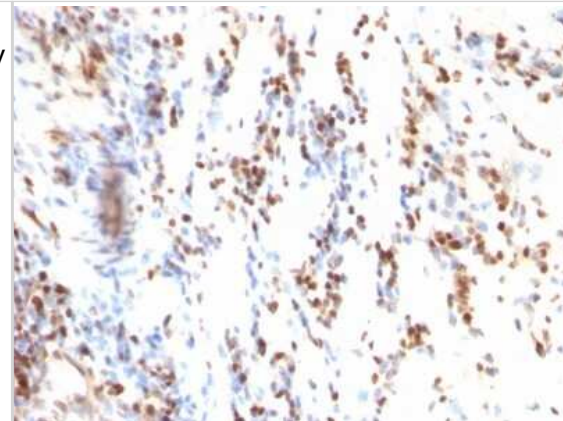
Flow Cytometry: p27/Kip1 Antibody (KIP1/769) [NBP2-44495] - Human p27 on Jurkat Cells. Black: Cells alone; Grey: Isotype Control; Green: AF488-labeled p27 Monoclonal Antibody (KIP1/769).



Immunohistochemistry-Paraffin: p27/Kip1 Antibody (KIP1/769) [NBP2-44495] - Human Cervical cancer stained with p27 Monoclonal Antibody (KIP1/769)



Immunohistochemistry-Paraffin: p27/Kip1 Antibody (KIP1/769) [NBP2-44495] - Human Colon Carcinoma stained with p27 Monoclonal Antibody (KIP1/769)



Immunohistochemistry-Paraffin: p27/Kip1 Antibody (KIP1/769) [NBP2-44495] - Human Prostate cancer stained with p27 Monoclonal Antibody (KIP1/769)





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### **Products Related to NBP2-44495-0.1mg**

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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

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### **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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