

Product Datasheet

p27/Kip1 Antibody (KIP1/769) - Azide and BSA Free NBP2-47769-0.1mg

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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NBP2-47769-0.1mg

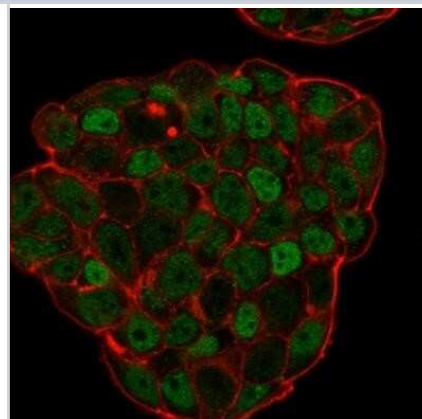
p27/Kip1 Antibody (KIP1/769) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	KIP1/769
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-44495). 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, CyTOF-ready, Immunofluorescence
Recommended Dilutions	Western Blot 0.5 - 1.0 ug/ml, Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 0.25 - 0.5 ug/ml, Flow (Intracellular), Immunofluorescence 0.5 - 1.0 ug/ml, CyTOF-ready
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

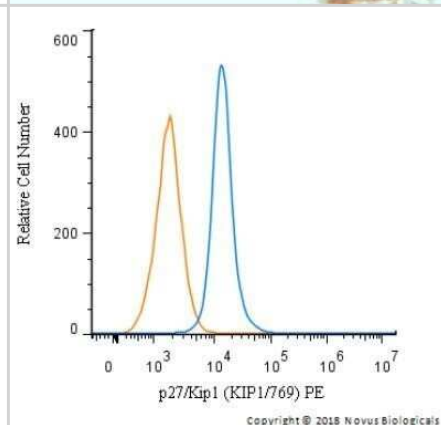
Immunocytochemistry/Immunofluorescence: p27/Kip1 Antibody (KIP1/769) - Azide and BSA Free [NBP2-47769] - Analysis of PFA-fixed MCF-7 cells labeling p27 with p27/Kip1 Antibody (KIP1/769) followed by Goat anti-Mouse IgG-CF488 (Green). Membrane is stained with Phalloidin-CF640.



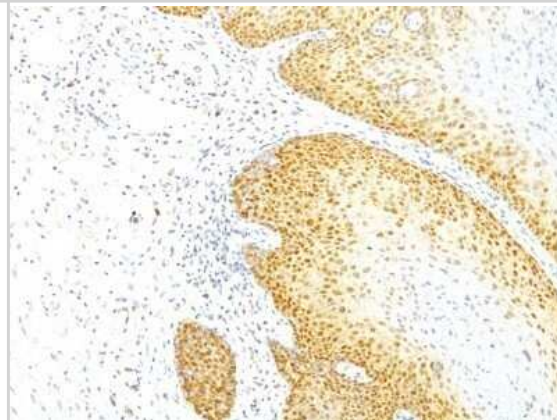
Immunohistochemistry-Paraffin: p27/Kip1 Antibody (KIP1/769) - Azide and BSA Free [NBP2-47769] - Rat Colon stained with p27 Monoclonal Antibody (KIP1/769)



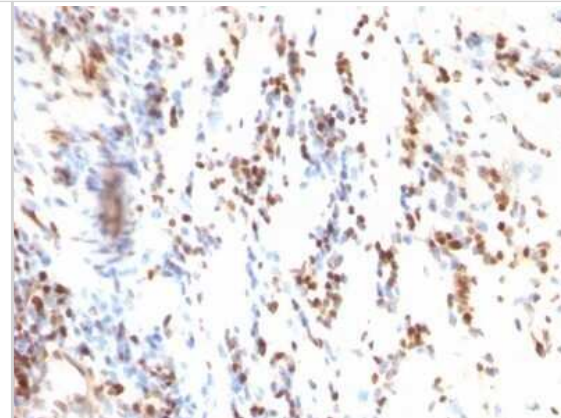
Flow (Intracellular): p27/Kip1 Antibody (KIP1/769) - Azide and BSA Free [NBP2-47769] - An intracellular stain was performed on Jurkat cells with p27/Kip1 Antibody (KIP1/769) NBP2-47769PE and a matched isotype control. Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Phycoerythrin. Image using the Azide and BSA Free form of this antibody.



Immunohistochemistry-Paraffin: p27/Kip1 Antibody (KIP1/769) - Azide and BSA Free [NBP2-47769] - Human Cervical cancer stained with p27 Monoclonal Antibody (KIP1/769)



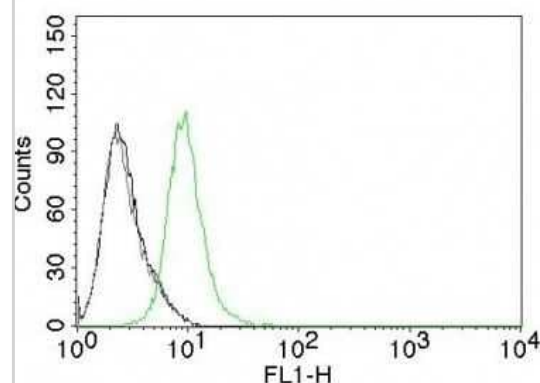
Immunohistochemistry-Paraffin: p27/Kip1 Antibody (KIP1/769) - Azide and BSA Free [NBP2-47769] - Human Colon Carcinoma stained with p27 Monoclonal Antibody (KIP1/769)



Immunohistochemistry-Paraffin: p27/Kip1 Antibody (KIP1/769) - Azide and BSA Free [NBP2-47769] - Human Prostate cancer stained with p27 Monoclonal Antibody (KIP1/769)



Flow Cytometry: p27/Kip1 Antibody (KIP1/769) - Azide and BSA Free [NBP2-47769] - Human p27 on Jurkat Cells. Black: Cells alone; Grey: Isotype Control; Green: AF488-labeled p27 Monoclonal Antibody (KIP1/769).



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Products Related to NBP2-47769-0.1mg

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

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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