

# Product Datasheet

## p27/Kip1 Antibody NB100-2816

Unit Size: 0.1 mg

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

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**NB100-2816**

p27/Kip1 Antibody

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
<b>Product Description</b>	
<b>Host</b>	Goat
<b>Gene ID</b>	1027
<b>Gene Symbol</b>	CDKN1B
<b>Species</b>	Human
<b>Immunogen</b>	Peptide with sequence C-KRPATDDSSSTQNK corresponding to internal region according to NP_004055.1.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot 0.1 - 0.3 ug/mL, Immunohistochemistry 5 ug/mL, Immunohistochemistry-Paraffin 5 ug/mL, Peptide ELISA Detection limit 1:32000
<b>Application Notes</b>	Western blot: Approx 26 kDa band observed in lysates of Human Prostate and of Hepatoblastoma cell line HepG2 (calculated MW of 22.1 kDa according to NP_004055.1). ).

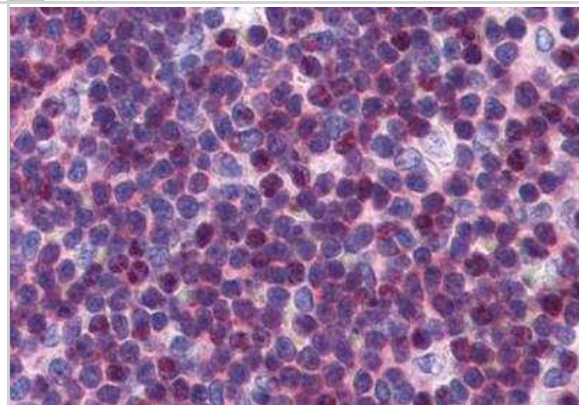


## Images

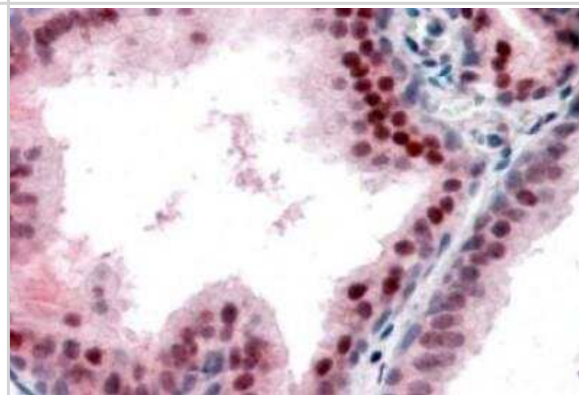
Western Blot: p27/Kip1 Antibody [NB100-2816] - Human Prostate lysate (35 ug protein in RIPA buffer). Antibody at 0.1 ug/mL. Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa  
150kDa  
100kDa  
75kDa  
50kDa  
37kDa  
25kDa  
20kDa  
15kDa  
10kDa

Immunohistochemistry-Paraffin: p27/Kip1 Antibody [NB100-2816] - Staining of paraffin embedded Human Spleen. Antibody at 5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunohistochemistry-Paraffin: p27/Kip1 Antibody [NB100-2816] - Staining of paraffin embedded Human Prostate. Antibody at 5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



## Publications

Baldassarre G, Belletti B, Nicoloso MS et al. p27(Kip1)-stathmin interaction influences sarcoma cell migration and invasion. *Cancer Cell* 2005-01-01 [PMID: 15652749]

Xia ZB, Popovic R, Chen J et al. The MLL fusion gene, MLL-AF4, regulates cyclin-dependent kinase inhibitor CDKN1B (p27kip1) expression. *Proc Natl Acad Sci USA* 2005-09-01 [PMID: 16169901]

Beharry Z, Zemskova M, Mahajan S et al. Novel benzylidene-thiazolidine-2,4-diones inhibit Pim protein kinase activity induce cell cycle arrest in leukemia prostate cancer cells. *Mol Cancer Ther*;8(6):1473-1483. 2009-01-01 [PMID: 19509254]



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### **Products Related to NB100-2816**

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NB820-59249	Human Prostate Whole Tissue Lysate (Adult Whole Normal)
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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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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