

# Product Datasheet

## p27/Kip1 Antibody NBP1-32213

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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### Publications: 2

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**NBP1-32213**

p27/Kip1 Antibody

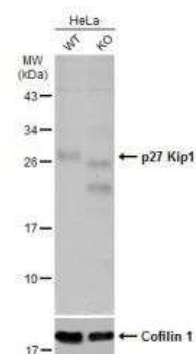
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS, 1% BSA, 20% Glycerol
<b>Target Molecular Weight</b>	22 kDa

Product Description	
<b>Description</b>	Novus Biologicals Knockout (KO) Validated Rabbit p27/Kip1 Antibody (NBP1-32213) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-p27/Kip1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	1027
<b>Gene Symbol</b>	CDKN1B
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Dog (87%), Cat (87%), Pig (84%), Bovine (84%).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human p27/Kip1. The exact sequence is proprietary.

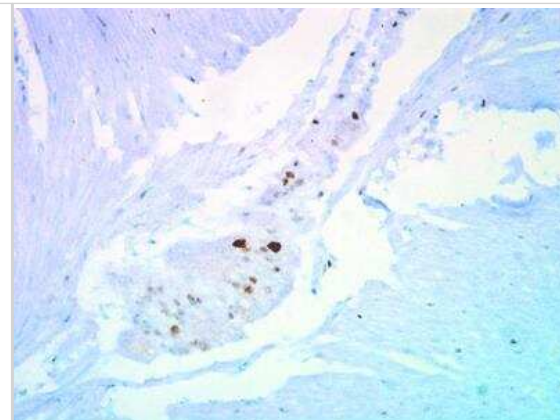
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, Knockout Validated
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen 1:100-1:1000, Knockout Validated

**Images**

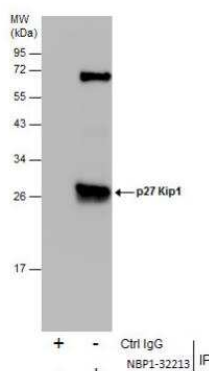
Western Blot: p27/Kip1 Antibody [NBP1-32213] - Wild-type (WT) and p27 Kip1 knockout (KO) HeLa cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with p27 Kip1 antibody diluted at 1:500. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



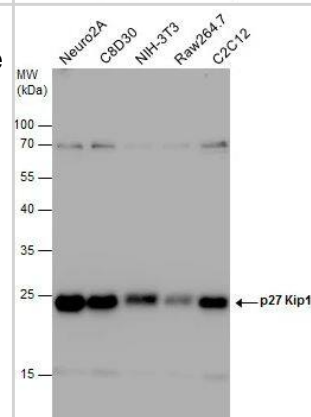
Immunohistochemistry-Paraffin: p27/Kip1 Antibody [NBP1-32213] - Staining of human ulcerative colitis tissue using anti-p27 Kip1 antibody.



Immunoprecipitation: p27/Kip1 Antibody [NBP1-32213] - Immunoprecipitation of p27 Kip1 protein from MCF-7 whole cell extracts using 5 ug of p27 Kip1 antibody. Western blot analysis was performed using p27 Kip1 antibody. EasyBlot anti-Rabbit IgG was used as a secondary reagent.



Western Blot: p27/Kip1 Antibody [NBP1-32213] - Various whole cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with p27 Kip1 antibody (NBP1-32213) diluted at 1:1000.



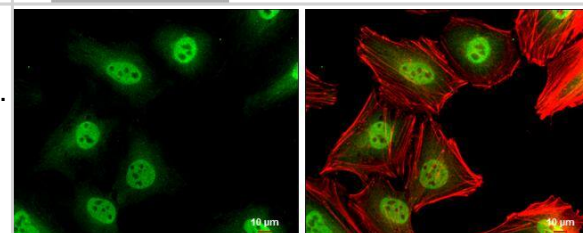
p27/Kip1 antibody detects p27/Kip1 protein at cytoplasm and nucleus by immunofluorescent analysis.

Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min.

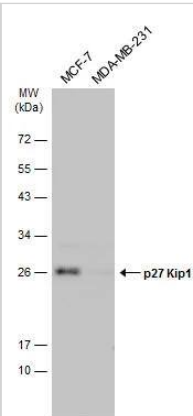
Green: p27/Kip1 protein stained by p27/Kip1 antibody (NBP1-32213) diluted at 1:500.

Red: phalloidin, a cytoskeleton marker, diluted at 1:200.

Scale bar = 10 um.



Various whole cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with p27/Kip1 antibody (NBP1-32213) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



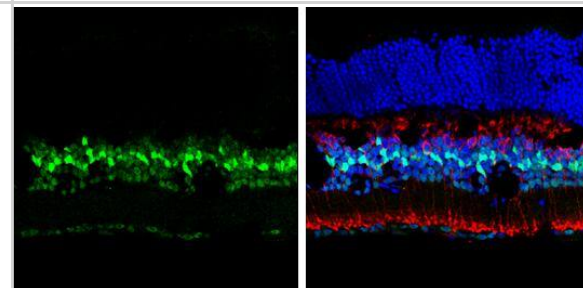
p27/Kip1 antibody detects p27/Kip1 protein at nucleus by immunohistochemical analysis.

Sample: Frozen sectioned adult mouse retina.

Green: p27/Kip1 protein stained by p27/Kip1 antibody (NBP1-32213) diluted at 1:250.

Red: Protein kinase C alpha staining.

Blue: Fluoroshield with DAPI .



## Publications

Lin M, Fang Z, Lin X et al. TRIM55 inhibits colorectal cancer development via enhancing protein degradation of c-Myc  
Cancer medicine 2023-05-22 [PMID: 37212463] (WB, Human)

Dickson P, Simanski S, Ngundu JM, Kodadek T Mechanistic Studies of the Multiple Myeloma and Melanoma Cell-Selective Toxicity of the Rpn13-Binding Peptoid KDT-11 Cell Chem Biol 2020-08-26 [PMID: 32857986] (WB)



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General: novus@novusbio.com

### **Products Related to NBP1-32213**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit 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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