

# Product Datasheet

## RBX1 Antibody - BSA Free NBP2-20113

Unit Size: 0.1 ml

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

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### Publications: 1

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Updated 9/25/2025 v.20.1

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**NBP2-20113**

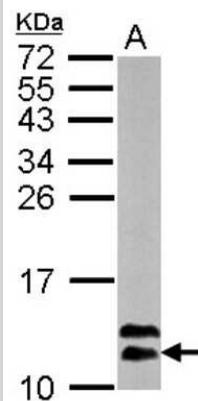
RBX1 Antibody - BSA Free

<b>Product Information</b>	
<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>	0.01% Thimerosal
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	0.1M Tris, 0.1M Glycine, 10% Glycerol
<b>Target Molecular Weight</b>	12 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit RBX1 Antibody - BSA Free (NBP2-20113) is a polyclonal antibody validated for use in WB and ICC/IF. Anti-RBX1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	9978
<b>Gene Symbol</b>	RBX1
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human RBX1. The exact sequence is proprietary.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000

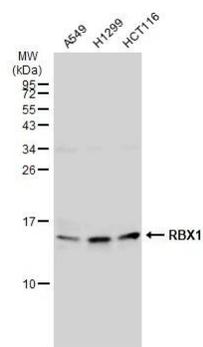


## Images

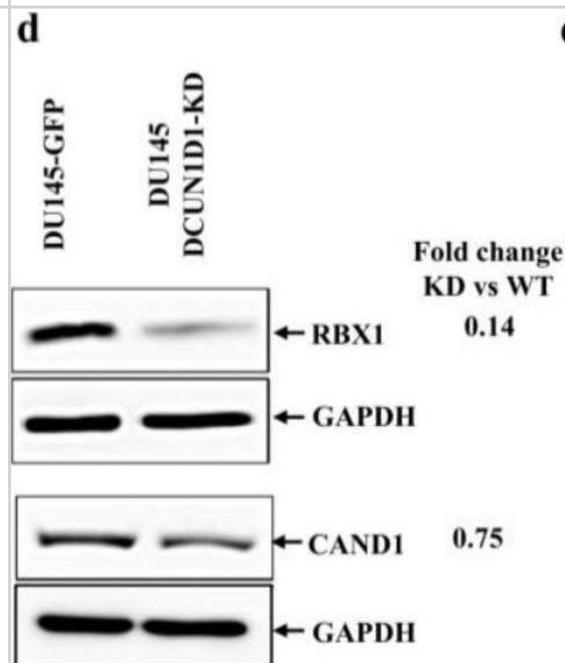
Western Blot: RBX1 Antibody [NBP2-20113] - Sample (50 ug of whole cell lysate) A: Mouse Brain, 15% SDS PAGE gel, diluted at 1:1000.



Western Blot: RBX1 Antibody [NBP2-20113] - Various whole cell extracts (30 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with RBX1 antibody (NBP2-20113) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Blockage of DCUN1D1 decreases global neddylation, ubiquitination and expression of neddylation components and shows preferential neddylation activity of cullin proteins in PCa. Western blot analysis of DU145 and DU145 DCUN1D1-KD cells. Protein extracts were obtained from the cells and subjected to Western blot analysis using (a) anti-ubiquitin, (b) anti-Nedd8. Blockage of DCUN1D1 decreased the expression of the neddylation pathway components including (c) the E1 NAE heterodimer APPB1 (top panel) and the neddylation-conjugating enzyme, UBC12 (bottom panel) and (d) the cullin-associated proteins RBX1 (top panel) and CAND1 (bottom panel). Inhibition of DCUN1D1 showed preferential NEDD8 modification of the cullin family of proteins. Immunoblot analysis of DU145 and DU145 DCUN1D1 knockdown cell protein extracts using (e) anti-cullin 1, (f) anti-cullin 3, (g) anti-cullin 4A, (h) anti-cullin 4B and (i) anti-cullin 5. The GAPDH loading control was probed using the anti-GAPDH antibody. Experiments were independently repeated three times and a representative image of an independent experiment is represented. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/37566052>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Vava A, Pაცეჯ JD, Wang Y et al. DCUN1D1 Is an Essential Regulator of Prostate Cancer Proliferation and Tumour Growth That Acts through Neddylation of Cullin 1, 3, 4A and 5 and Dereglulation of Wnt/Catenin Pathway Cells 2023-07-31 [PMID: 37566052] (Western Blot)



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### **Products Related to NBP2-20113**

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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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