Product Datasheet

CRBN Antibody - BSA Free
NBP1-91810

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Reviews: 1 Publications: 21

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
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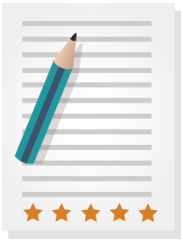
Updated 12/2/2025 v.20.1



NBP1-91810

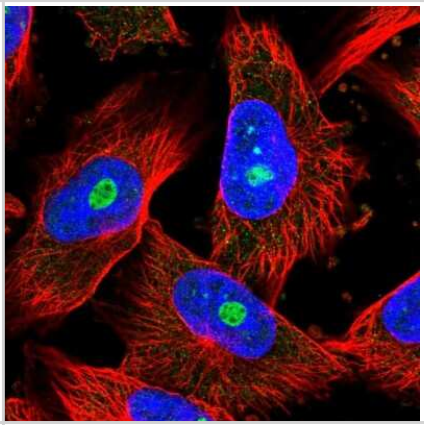
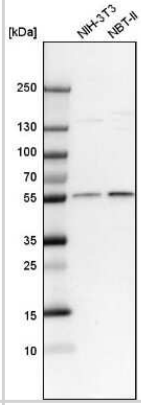
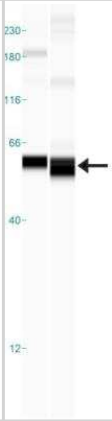
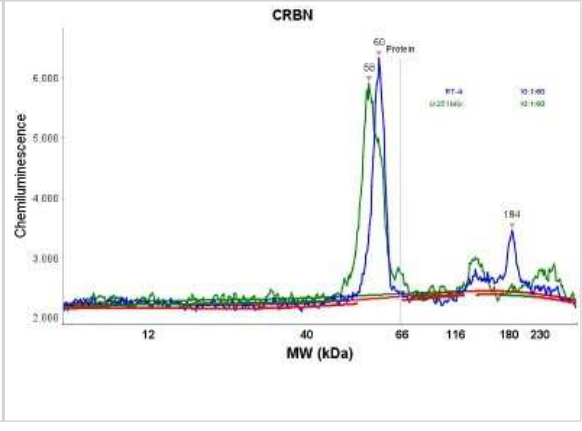
CRBN Antibody - BSA Free

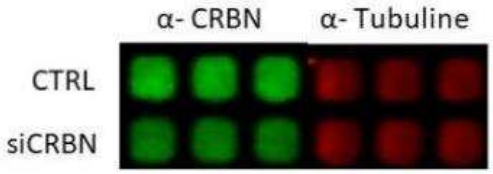
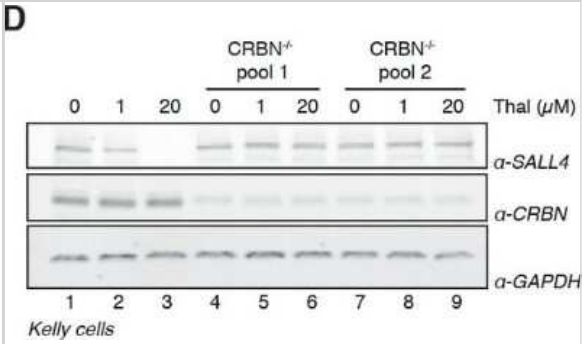
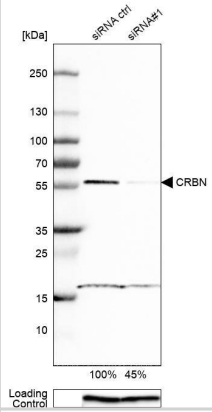
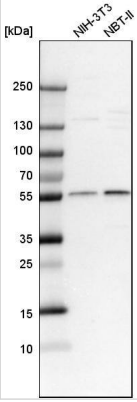
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Description	Novus Biologicals Knockout (KO) Validated Rabbit CRBN Antibody - BSA Free (NBP1-91810) is a polyclonal antibody validated for use in WB, ICC/IF and Simple Western. Anti-CRBN Antibody: Cited in 21 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	51185
Gene Symbol	CRBN
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: EVEDQDSKEAKKPNIINFDTSLPTSHTYLGADMEEFHGRTLHDDDSCQVIPVLP QVMMILIPGQTLPLQLFHPQEVSMVRNLIQKDRTFAVLAYSNVQERE

Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Knockdown Validated, Knockout Validated, Single Cell Western
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Simple Western 1:60, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Knockout Validated Validation (PMID: 31371704)., Single Cell Western, Knockdown Validated
Application Notes	ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: Tested in RT4, U-251MG, separated by Size, antibody dilution of 1:60, apparent MW was 60 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.

Images

Immunocytochemistry/Immunofluorescence: CRBN Antibody [NBP1-91810] - Staining of human cell line U-251 MG shows localization to nucleoli. Antibody staining is shown in green.	
Western Blot: CRBN Antibody [NBP1-91810] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.	
Simple Western: CRBN Antibody [NBP1-91810] - Simple Western lane view shows a specific band for CRBN in 0.2 mg/ml of RT4 (left), U-251MG (right) lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.	
Simple Western: CRBN Antibody [NBP1-91810] - Electropherogram image(s) of corresponding Simple Western lane view. CRBN antibody was used at 1:60 dilution on RT4 and U-251MG lysate(s).	

Single Cell Western: CRBN Antibody [NBP1-91810] - CRBN expression after Downregulation by siRNA, dilution 1:500. Single Cell Western Image submitted by verified customer review.	
Western Blot: CRBN Antibody [NBP1-91810] - Validation of SALL4 asa bona fide IMiD-dependent CRL4CRBN substrate. Parental Kelly cells or two independent pools of CRBN -/- Kelly cells were treated with increasing concentrations of thalidomide. Following 24 h incubation, SALL4, CRBN, and GAPDH protein levels were assessed by western blot analysis. Thalidomide promotes degradation of SALL4, a transcription factor implicated in Duane Radial Ray syndrome. Image collected and cropped by CiteAb from the following publication (//pubmed.ncbi.nlm.nih.gov/30067223/) licensed under a CC-BY license.	
Analysis in HEK293 cells transfected with control siRNA, target specific siRNA probe #1. Remaining relative intensity is presented. Loading control: Anti-GAPDH.	
Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.	

Publications

Soohyun Lee, Hwa-Ryeon Kim, Yaejin Woo, Jiyoung Kim, Han Wool Kim, Ji Youn Park, Beomseon Suh, Yuri Choi, Jungmin Ahn, Je Ho Ryu, Jae-Seok Roe, Jaewhan Song, Song Hee Lee UBX-390: A Novel Androgen Receptor Degrader for Therapeutic Intervention in Prostate Cancer. Advanced science (Weinheim, Baden-Wurttemberg, Germany) 2024-07-03 [PMID: 38958553]

Jiang B, Weinstock DM, Donovan KA et al. ITK degradation to block T cell receptor signaling and overcome therapeutic resistance in T cell lymphomas Cell chemical biology 2023-04-20 [PMID: 37015223] (WB, Mouse)

Wu X, Yang X, Xiong Y et al. Distinct CDK6 complexes determine tumor cell response to CDK4/6 inhibitors and degraders Nat Cancer 2021-09-27 [PMID: 34568836]

Mehta S, Buyanbat A, Kai Y et al. Temporal resolution of gene derepression and proteome changes upon PROTAC-mediated degradation of BCL11A protein in erythroid cells Cell chemical biology 2022-07-12 [PMID: 35839780] (WB, Human)

Shen C, Nayak A, Neitzel L et al. The Casein kinase 1alpha agonist pyrvinium attenuates Wnt-mediated CK1alpha degradation via interaction with the E3 ubiquitin ligase component Cereblon Journal of Biological Chemistry 2022-07-01 [PMID: 35780831] (WB, Human)

Mori T, Verma R, Nakamoto-Matsubara R et al. Low NCOR2 levels in multiple myeloma patients drive multidrug resistance via MYC upregulation Blood cancer journal 2021-12-04 [PMID: 34864816] (WB, Human)

Yamamoto T, Nakayama J, Yamamoto Y et al. SORT1/LAMP2-mediated Extracellular Vesicle Secretion and Cell Adhesion Are Linked to Lenalidomide Resistance in Multiple Myeloma Blood advances 2022-01-03 [PMID: 34979567] (WB)

Misiewicz-Krzeminska, I, de Ramon, C Et al. Quantitative expression of Ikaros, IRF4, and PSMD10 proteins predicts survival in VRD-treated patients with multiple myeloma. Blood Adv 2020-12-08 [PMID: 33284947] (Simple Western, Human)

Shen C, Nayak A, Neitzel LR et al. The E3 ubiquitin ligase component, Cereblon, is an evolutionarily conserved regulator of Wnt signaling Nature communications 2021-09-06 [PMID: 34489457] (WB, Human)

Powell C, Du G, Bushman J Et Al. Selective degradation-inducing probes for studying cereblon (CRBN) biology RSC Medicinal Chemistry 2021-07-06 [PMID: 34458741]

Sievers Q L, Petzold G et al. Defining the human C2H2 zinc finger degrome targeted by thalidomide analogs through CRBN. Science 2018-02-11 [PMID: 30385546] (WB, Human)

Powell CE, Du G, Che J et al. Selective Degradation of GSPT1 by Cereblon Modulators Identified via a Focused Combinatorial Library ACS Chem. Biol. 2020-09-28 [PMID: 32865967]

More publications at http://www.novusbio.com/NBP1-91810

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NBP1-91810PEP	CRBN Recombinant Protein Antigen
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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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