

# Product Datasheet

## PSMD11 Antibody NBP1-46191

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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**NBP1-46191**

PSMD11 Antibody

Product Information	
Unit Size	0.1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA

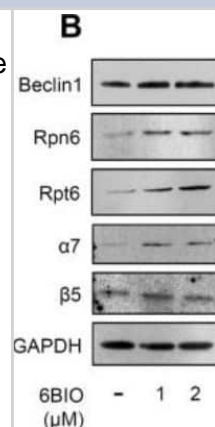
Product Description	
Host	Rabbit
Gene ID	5717
Gene Symbol	PSMD11
Species	Human, Mouse, Drosophila
Reactivity Notes	X. tropicalis (100%). Use in Drosophila reported in scientific literature (PMID:31002009).
Immunogen	The immunogen for this product maps to a region between residue 175 and 225 of human Proteasome (Prosome, Macropain) 26S Subunit, non-ATPase, 11 using the numbering given in entry NP_002806.2 (GenelD 5717).

Product Application Details	
Applications	Western Blot, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunoprecipitation 2-5 ug/mg lysate
Application Notes	Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.

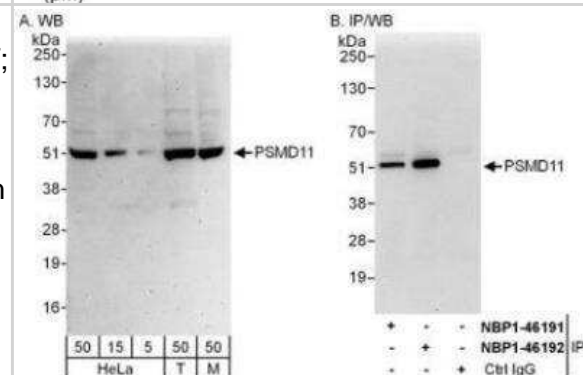


## Images

Western Blot: PSMD11 Antibody [NBP1-46191] - Treatment of human skin fibroblasts with 6BIO activated proteostatic modules. Representative immunoblot analyses of the autophagy-related Beclin1 and the 26S proteasome subunits Rpn6 (PSMD11), Rpt6, alpha7 and beta5 expression levels after cell exposure to the shown concentrations of 6BIO for 36 h. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41598-017-11662-7>), licensed under a CC-BY license.



Western Blot: PSMD11 Antibody [NBP1-46191] - Whole cell lysate from HeLa (5, 15 and 50 mcg for WB; 1 mg for IP, 20% of IP loaded), 293T (T; 50 mcg), and mouse NIH3T3 (M; 50 mcg) cells. Affinity purified rabbit anti-PSMD11 antibody used for WB at 0.04 mcg/ml (A) and 0.4 mcg/ml (B) and used for IP at 3 mcg/mg lysate. PSMD11 was also immunoprecipitated by rabbit anti-PSMD11 antibody NBP1-46192, which recognizes a downstream epitope.



## Publications

Schlesser C, Meul T, Stathopoulos G, Meiners S. Metformin Induces Resistance of Cancer Cells to the Proteasome Inhibitor Bortezomib Biomolecules 2022-05-28 [PMID: 35740881] (Western Blot, Human)

Gumeni S, Lamprou M, Evangelakou Z et al. Sustained Nrf2 Overexpression-Induced Metabolic Deregulation Can Be Attenuated by Modulating Insulin/Insulin-like Growth Factor Signaling Cells 2023-11-18 [PMID: 37998385]

Manola MS, Gumeni S, Trougakos IP Differential Dose- and Tissue-Dependent Effects of foxo on Aging, Metabolic and Proteostatic Pathways Cells 2021-12-18 [PMID: 34944088] (WB, Drosophila)

Dina E, Sklirou A, Chatzigeorgiou S et al. An enriched polyphenolic extract obtained from the by-product of Rosa damascena hydrodistillation activates antioxidant and proteostatic modules Phytomedicine 2021-09-01 [PMID: 34619431] (WB, Human, Drosophila)

Yazgili AS, Meul T, Welk V et al. In-gel proteasome assay to determine the activity, amount, and composition of proteasome complexes from mammalian cells or tissues STAR protocols 2021-06-18 [PMID: 34027484]

Tsakiri E N, Gumeni S et al. Proteasome dysfunction induces excessive proteome instability and loss of mitostasis that can be mitigated by enhancing mitochondrial fusion or autophagy. Autophagy 2019-04-19 [PMID: 31002009] (WB, Drosophila)

Meul T, Berschneider K, Schmitt S et al. Mitochondrial Regulation of the 26S Proteasome Cell Rep 2020-08-25 [PMID: 32846138] (WB, Mouse)

Berschneider K Connecting the functions of the proteasome and mitochondria in the lung Thesis 2016-01-01 (WB, Mouse)

Nath SR, Yu Z, Gipson TA et al. Androgen receptor polyglutamine expansion drives age-dependent quality control defects and muscle dysfunction J. Clin. Invest. 2018-05-29 [PMID: 29809168] (WB, Mouse)

Sklirou AD, Gaboriaud-Kolar N, Papassideri I et al. 6-bromo-indirubin-3'-oxime (6BIO), a Glycogen synthase kinase-3B inhibitor, activates cytoprotective cellular modules and suppresses cellular senescence-mediated biomolecular damage in human fibroblasts Sci Rep 2017-09-15 [PMID: 28916781]

Tsakiri E, Gaboriaud-Kolar N, Iliaki K et al. The indirubin derivative 6-Bromoindirubin-3'-oxime (6BIO) activates proteostatic modules, reprograms cellular bioenergetics pathways and exerts anti-aging effects. Antioxid. Redox Signal. 2017-03-02 [PMID: 28253732]

Welk V, Coux O, Kleene V et al. Inhibition of Proteasome Activity Induces Formation of Alternative Proteasome Complexes. J. Biol. Chem. 2016-04-18 [PMID: 27129254] (WB, Human)





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### **Products Related to NBP1-46191**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-23372	Recombinant Human PSMD11 His Protein

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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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