

Product Datasheet

SUG1 Antibody (25D5) - Azide and BSA Free NB100-345

Unit Size: 100 ul

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

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NB100-345

SUG1 Antibody (25D5) - Azide and BSA Free

Product Information	
Unit Size	100 ul
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	Monoclonal
Clone	25D5
Preservative	No Preservative
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	46 kDa

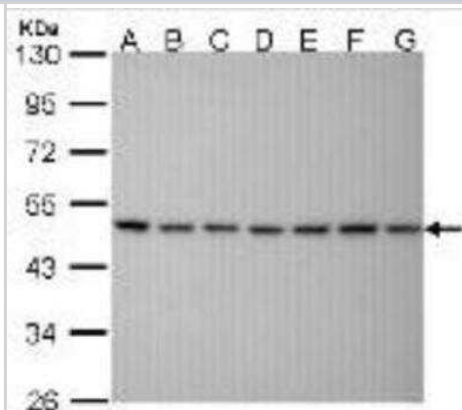
Product Description	
Host	Mouse
Gene ID	5705
Gene Symbol	PSMC5
Species	Human
Immunogen	Recombinant protein encoding full-length SUG1 purified from E. coli.

Product Application Details	
Applications	Western Blot, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP), Knockdown Validated
Recommended Dilutions	Western Blot 1:1000, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP), Knockdown Validated
Application Notes	IP reactivity reported in (PMID: 19660582). SUG1 antibody validated for CHIP from a verified customer review.

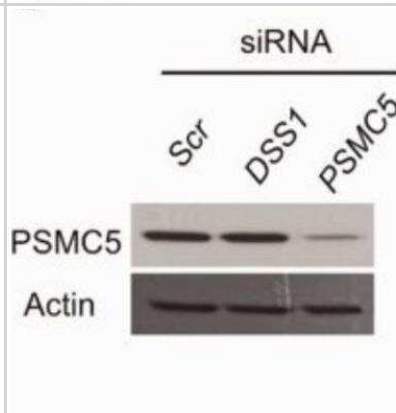


Images

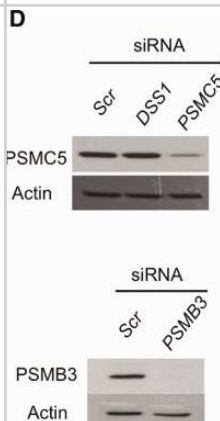
Western Blot: SUG1 Antibody (25D5) [NB100-345] - SUG1 antibody with 30 ug whole cell lysate run on SDS-PAGE. Lane A: 293T; B: A431; C: H1299; D: HeLa; E: Hep G2; F: Molt-4; G: Raji 10% SDS PAGE diluted at 1:1000



Western Blot: SUG1 Antibody (25D5) [NB100-345] - Representative immunoblot for SUG1 antibody knockdown. Fifty micrograms of total protein was loaded in each lane. Actin was used as a loading control. Image collected and cropped by CiteAb from the following publication (<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3695522/>) licensed under a CC-BY license.



Expansions are suppressed by siRNA knockdown of proteasome components in SVG-A cells. Representative immunoblots for PSMC5 and PSMB3 knockdown. Fifty micrograms of total protein was loaded in each lane. Actin was used as a loading control. Additional knockdown data are presented in Supplementary Figure S6. (E) Knockdown of DSS1 as measured by mRNA level, as described in 'Materials and Methods' section. Error bar denotes \pm SEM, $n = 3$.



Publications

Im E, Yoon JB, Lee HW, Chung KC. Human Telomerase Reverse Transcriptase (hTERT) Positively Regulates 26S Proteasome Activity J. Cell. Physiol. 2016-09-20 [PMID: 27648923] (WB, Human)

Maganti N, Moody TD, Truax AD et al. Nonproteolytic Roles of 19S ATPases in Transcription of CIITA^{IV} Genes. PLoS ONE 2014-03-14 [PMID: 24625964] (WB, IP, Chemotaxis, Human)

Concannon C, Lahue RS. The 26S proteasome drives trinucleotide repeat expansions. Nucleic Acids Res 2013-04-24 [PMID: 23620289] (WB, Human)

Koues OI, Dudley RK, Mehta NT, Greer SF. The 19S proteasome positively regulates histone methylation at cytokine inducible genes. Biochim Biophys Acta 2009-11-01 [PMID: 19660582] (Chemotaxis, WB, IP, Human)



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Products Related to NB100-345

NB800-PC1	HeLa Whole Cell Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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