

# Product Datasheet

## NUP188 Antibody - BSA Free

### NBP1-28748

Unit Size: 100 ul

Store at 4C. Do not freeze.

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#### Publications: 1

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**NBP1-28748**

NUP188 Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

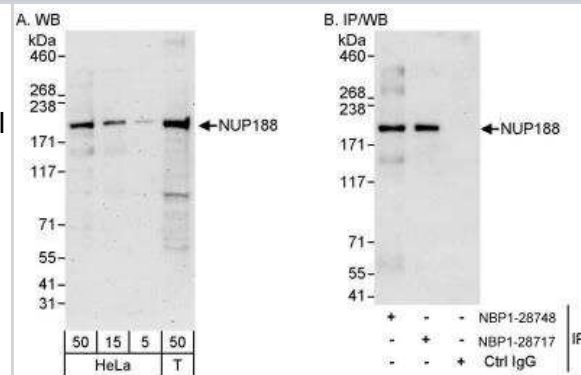
Product Description	
Description	Novus Biologicals Rabbit NUP188 Antibody - BSA Free (NBP1-28748) is a polyclonal antibody validated for use in WB and IP. Anti-NUP188 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	23511
Gene Symbol	NUP188
Species	Human
Immunogen	The immunogen recognized by this antibody maps to a region between residue 1600 and 1650 of human nucleoporin 188kDa using the numbering given in entry NP_056169.1 (GeneID 23511).

Product Application Details	
Applications	Western Blot, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunoprecipitation 10 ug/mg lysate
Application Notes	Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.

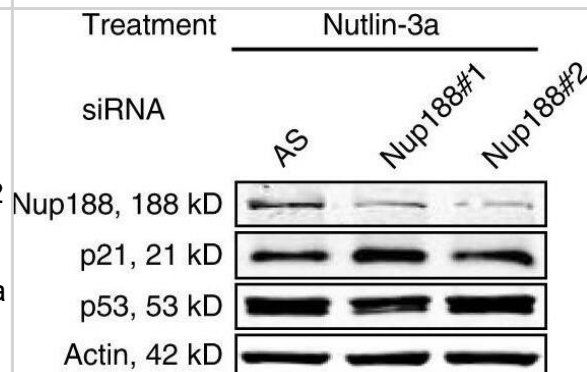


## Images

Western Blot: NUP188 Antibody [NBP1-28748] - Samples: Whole cell lysate from HeLa (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) and 293T (T; 50 ug) cells. Antibodies: Affinity purified rabbit anti-NUP188 antibody NBP1-28748 used for WB at 0.1 ug/ml (A) and 1 ug/ml (B) and used for IP at 10 ug/mg lysate. NUP188 was also immunoprecipitated by rabbit anti-NUP188 antibody NBP1-28717, which recognizes a downstream epitope. Detection: Chemiluminescence with exposure times of 3 minutes (A) and 10 seconds (B).



Western Blot: NUP188 Antibody [NBP1-28748] - Full induction of p21 is Nup155-dependent. a Protein fold-changes (blue & grey dots) including p53 targets (red dots) upon Nup155 (orange dot) knockdown compared to the control siRNA (AS) condition are shown as log2 ratios. p21 is highlighted in green as a key effector of the p53 response. Overall 3523 proteins could be quantified by quantitative mass spectrometry in HepG2 cells treated with Nutlin-3a for 24 h. b HepG2 cells were treated either with control siRNA (AS) or three different Nup155 siRNAs (Nup155#1, Nup155#2, & Nup155#3) for 72 h & p53 was induced by adding Nutlin-3a for 24 h. Cell extracts were analysed by immunoblotting with indicated antibodies (upper panel). Densitometric quantification of immunoblots derived from three independent experiments is shown in the lower panel & normalised to the control siRNA (AS) condition. c HepG2 cells were treated either with control siRNA (AS) or two different Nup35, Nup93, & Nup188 siRNAs (Nup35#1, Nup35#2, Nup93#1, Nup93#2, Nup188#1, & Nup188#2) for 72 h. Cells were harvested upon 24 h of Nutlin-3a treatment & extracts were analysed by immunoblotting with the indicated antibodies. For corresponding densitometric analyses see Supplementary Figure 1B-D. d Protein fold-changes of NPC components (purple dots) upon Nup155 knockdown (orange dot) corresponding to the conditions described in a. e Representative confocal microscopy pictures of MAb414 immunofluorescence staining of HepG2 cells treated as indicated. DAPI was used for DNA labeling. Scale bar = 10  $\mu$ m. \* $p < 0.05$ , \*\* $p < 0.01$ , \*\*\* $p < 0.001$  (Student's t-test). Data are presented as mean  $\pm$  stdv. Source data are provided as a Source Data file Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31089132>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Holzer K, Ori A, Cooke A Nucleoporin Nup155 is part of the p53 network in liver cancer Nat Commun 2019-05-14 [PMID: 31089132] (WB, Human)



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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
NBP2-56516PEP	NUP188 Recombinant Protein Antigen

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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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