

Product Datasheet

RPB9 Antibody - BSA Free NBP1-92344

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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Publications: 1

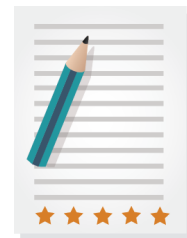
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NBP1-92344

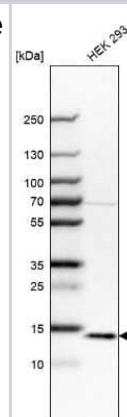
RPB9 Antibody - BSA Free

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 Rabbit RPB9 Antibody - BSA Free (NBP1-92344) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-RPB9 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5438
Gene Symbol	POLR2I
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: PDGTYEPGFVGIRFCQECNNMLYPKEDKENRILLYACRNCDYQQEADNSCIYV NKITHEVDELTTQIIADVSQDPTLPRTEDHPCQKCGHKEAVFFQSHSA
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Chromatin Immunoprecipitation-exo-Seq
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200, Chromatin Immunoprecipitation-exo-Seq 1-10ug per reaction
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

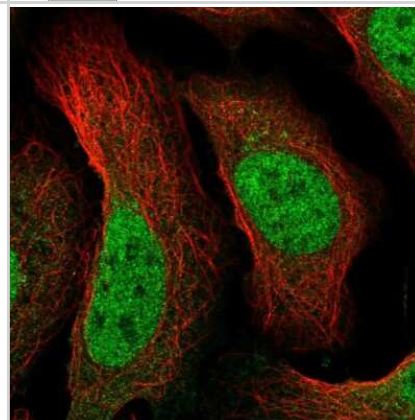


Images

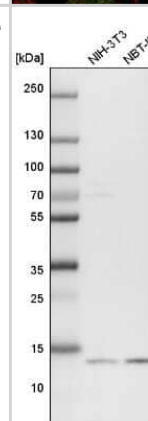
Western Blot: RPB9 Antibody [NBP1-92344] - Analysis in human cell line HEK 293.



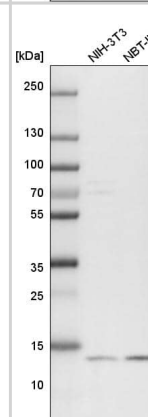
Immunocytochemistry/Immunofluorescence: RPB9 Antibody [NBP1-92344] - Immunofluorescent staining of human cell line U-2 OS shows localization to nucleoplasm.



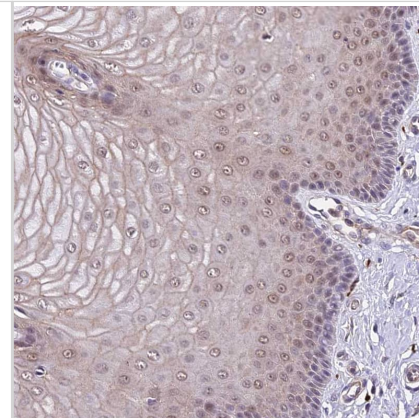
Western Blot: RPB9 Antibody [NBP1-92344] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



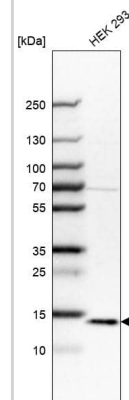
Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



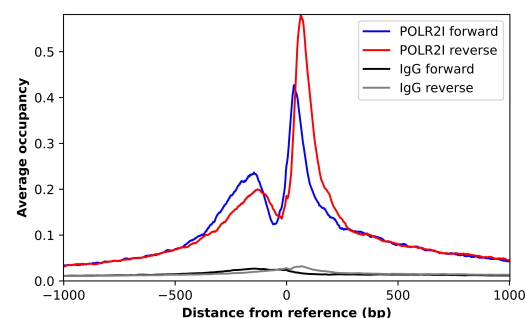
Staining of human cervix, uterine shows moderate nucleolus positivity in squamous epithelial cells.



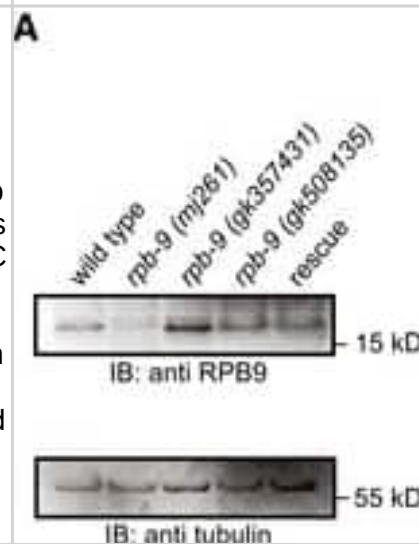
Analysis in human cell line HEK 293.



ChIP-Exo-Seq composite graph for Anti-POLR2I (NBP1-92344) tested in K562 cells. Strand-specific reads (blue: forward, red: reverse) and IgG controls (black: forward, grey: reverse) are plotted against the distance from a composite set of reference binding sites. The antibody exhibits robust target enrichment compared to a non-specific IgG control and precisely reveals its structural organization around the binding site. Data generated by Prof. B. F. Pugh's Lab at Cornell University.



Related to Fig 1 Western blot quantification of RPB $\square$ 9 expression in wild $\square$ type, rpb $\square$ 9 (mj261), and rpb $\square$ 9 rescue animals. rpb $\square$ 9 alleles gk508135 and gk357431 (Thompson et al, 2013) are additional controls that do not show piRNA sensor desilencing. RPB $\square$ 9 domain conservations. Alignments of the RPB $\square$ 9 protein to its H. sapiens, D. melanogaster and S. cerevisiae homologs. Positive (NCBI BlastP) amino acids are indicated by "+". Comparison of RPB $\square$ 9 and the Caenorhabditis elegans TFIIS homolog T24H10.1 with alignment of the common TFIIS C domain. The introduced RPB $\square$ 9 Q140* mutation is highlighted in red. Positive (NCBI BlastP) amino acids are indicated by "+". Representative DIC and fluorescence microscopy images of piRNA sensor expression in deficient rescue rpb $\square$ 9 (mj261; mjSi89) animals. Scale bar = 20 μ m. Source data are available online for this figure. $\square$ Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/33533030>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Berkyurek AC, Furlan G, Lampersberger L et al. The RNA polymerase II subunit RPB-9 recruits the integrator complex to terminate *Caenorhabditis elegans* piRNA transcription The EMBO journal 2021-03-01 [PMID: 33533030] (WB)





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Products Related to NBP1-92344

NBP1-92344PEP	RPB9 Recombinant Protein Antigen
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

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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