

Product Datasheet

RbBP5 Antibody - BSA Free

NB600-252

Unit Size: 100 ul

Store at 4C. Do not freeze.

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NB600-252

RbBP5 Antibody - BSA Free

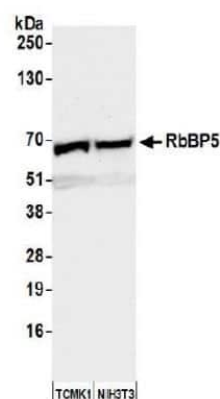
| Product Information | |
|---------------------|---------------------------------------|
| Unit Size | 100 ul |
| Concentration | 1.0 mg/ml |
| Storage | Store at 4C. Do not freeze. |
| Clonality | Polyclonal |
| Preservative | 0.09% Sodium Azide |
| Isotype | IgG |
| Purity | Immunogen affinity purified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

| Product Description | |
|---------------------|---|
| Description | Novus Biologicals Rabbit RbBP5 Antibody - BSA Free (NB600-252) is a polyclonal antibody validated for use in IHC, WB, ICC/IF, IP and ChIP. Anti-RbBP5 Antibody: Cited in 13 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Rabbit |
| Gene ID | 5929 |
| Gene Symbol | RBBP5 |
| Species | Human, Mouse |
| Immunogen | The immunogen recognized by this antibody maps to a region between residue 500 and the C-terminus (residue 538) of human retinoblastoma binding protein 5 using the numbering given in entry NP_005048.2 (GeneID 5929). |

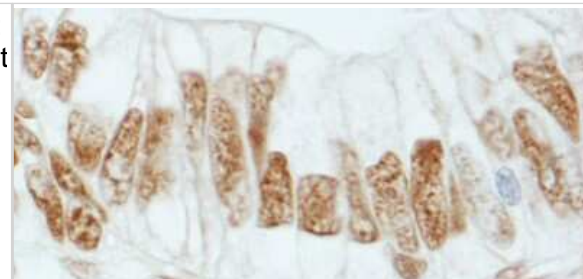
| Product Application Details | |
|-----------------------------|--|
| Applications | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP), Chromatin Immunoprecipitation Sequencing |
| Recommended Dilutions | Western Blot 1:10000 - 1:25000, Immunohistochemistry 1:500- 1:2000, Immunocytochemistry/ Immunofluorescence 1-4 ug/ml, Immunoprecipitation 2-10 ug/mg lysate, Immunohistochemistry-Paraffin 1:500- 1:2000, Chromatin Immunoprecipitation (ChIP) 10 ug, Chromatin Immunoprecipitation Sequencing 2 ug |
| Application Notes | Reported use in ChIP assays (see Dou et al). Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections. |

Images

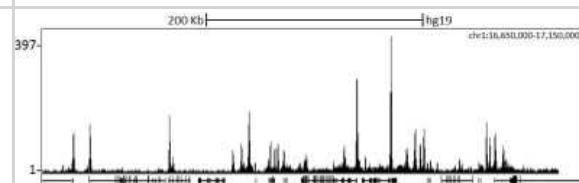
Western Blot: RbBP5 Antibody [NB600-252] - Whole cell lysate (50 ug) from TCMK-1 and NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-RbBP5 antibody used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



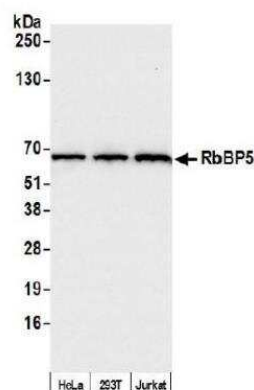
Immunohistochemistry-Paraffin: RbBP5 Antibody [NB600-252] - Sample: FFPE section of human colon carcinoma. Antibody: Affinity purified rabbit anti- RbBP5 used at a dilution of 1:1,000 (1ug/ml). Detection: DAB



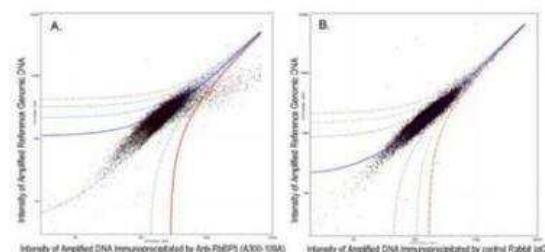
Chromatin Immunoprecipitation Sequencing: RbBP5 Antibody [NB600-252] - Localization of RbBP5 Binding Sites by ChIP-seq. Chromatin from K562 cells was immunoprecipitated with anti-RbBP5 antibody NB600-252 and analyzed by DNA sequencing. The figure illustrates the peak distribution of RbBP5 binding within a 500 Kb region of chromosome 1 as detected using anti-RbBP5 antibody NB600-252. ChIP-seq validation performed by Diogenode, Denville, NJ.



Western Blot: RbBP5 Antibody [NB600-252] - Whole cell lysate (15 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-RbBP5 antibody used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



Chromatin Immunoprecipitation: RbBP5 Antibody [NB600-252] - Chromatin Immunoprecipitation: RbBP5 Antibody [NB600-252] - ChIP-chip scatter plot of anti-RbBP5 enriched DNA binding sites versus input reference DNA. A. 10 ug of NB600-252 was used to immunoprecipitate chromatin from K562 cells per Ren et al (Genes Dev. 2002 16: 245-256). Immunoprecipitated DNA and reference DNA were amplified via ligation-mediated PCR and the products labeled with fluorescent dNTPs. The labeled ChIP and reference DNA were pooled, hybridized to a DNA microarray, and analyzed. Data points below the +3 SD curve (red line) represent significantly enriched binding sites. B. As a control, a similar experiment was performed using normal rabbit IgG. Compared to the anti-RbBP5 ChIP, normal rabbit IgG showed little enrichment.



Publications

Bieluszewska A, Weglewska M, Bieluszewski T et al. PKA-binding domain of AKAP8 is essential for direct interaction with DPY30 protein FEBS J. 2017-12-30 [PMID: 29288530] (WB, Human)

Dhawan S, Dirice E, Kulkarni RN, Bhushan A. Inhibition of TGF-beta signaling promotes human pancreatic beta cell replication. Diabetes. 2016-03-02 [PMID: 26936960] (WB, Human)

Ma P, Pan H, Montgomery RL et al. Compensatory functions of histone deacetylase 1 (HDAC1) and HDAC2 regulate transcription and apoptosis during mouse oocyte development. Proc Natl Acad Sci U S A 2012-02-01 [PMID: 22223663]

Ram O, Goren A, Amit I et al. Combinatorial Patterning of Chromatin Regulators Uncovered by Genome-wide Location Analysis in Human Cells. Cell. 2011-12-23 [PMID: 22196736]

Lin JJ, Lehmann LW, Bonora G et al. Mediator coordinates PIC assembly with recruitment of CHD1. Genes Dev 2011-10-01 [PMID: 21979373]

Li X, Wang S, Li Y et al. Chromatin boundaries require functional collaboration between the hSET1 and NURF complexes. Blood 2011-08-01 [PMID: 21653943]

Wang GG, Song J, Wang Z et al. Haematopoietic malignancies caused by dysregulation of a chromatin-binding PHD finger. Nature 2009-06-01 [PMID: 19430464]

Wen H, Dou Y, Hogaboam CM et al. Epigenetic regulation of dendritic cell-derived interleukin-12 facilitates immunosuppression after a severe innate immune response. Blood 2008-02-01 [PMID: 18055863]

Lan F, Bayliss PE, Rinn JL et al. A histone H3 lysine 27 demethylase regulates animal posterior development. Nature 2007-10-01 [PMID: 17851529]

De Santa F, Totaro MG, Prosperini E et al. The histone H3 lysine-27 demethylase Jmjd3 links inflammation to inhibition of polycomb-mediated gene silencing. Cell 2007-09-01 [PMID: 17825402]

Higa LA, Wu M, Ye T et al. CUL4-DDB1 ubiquitin ligase interacts with multiple WD40-repeat proteins and regulates histone methylation. Nat Cell Biol 2006-11-01 [PMID: 17041588]

Wysocka J, Swigut T, Milne TA et al. WDR5 associates with histone H3 methylated at K4 and is essential for H3 K4 methylation and vertebrate development. Cell 2005-06-01 [PMID: 15960974]

More publications at <http://www.novusbio.com/NB600-252>





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Products Related to NB600-252

| | |
|-------------|---|
| NB800-PC1 | HeLa Whole Cell Lysate |
| 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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