Product Datasheet

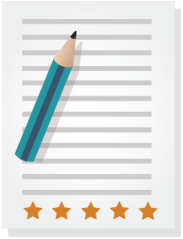
WDR5 Antibody
NBP3-18669

Unit Size: 50 ug

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP3-18669

Updated 8/6/2023 v.20.1



NBP3-18669

WDR5 Antibody

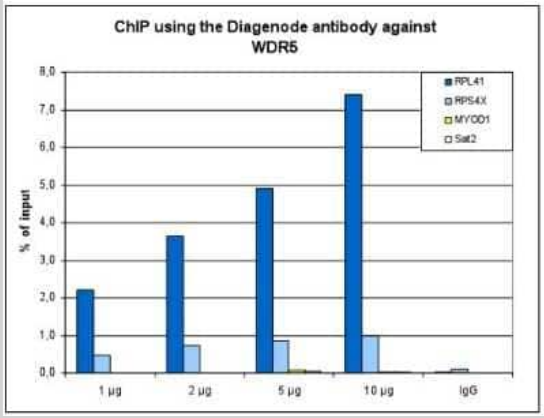
Product Information	
Unit Size	50 ug
Concentration	2 mg/ml
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide and 0.05% ProClin 300
Purity	Protein G purified
Buffer	PBS

Product Description	
Host	Rabbit
Gene ID	11091
Gene Symbol	WDR5
Species	Human
Immunogen	Polyclonal antibody raised in rabbit against human WDR5 (WD (tryptophan-aspartate) repeat domain 5), using a recombinant protein.

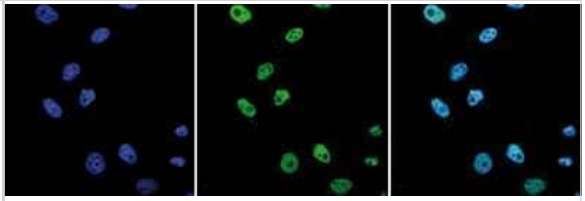
Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Chromatin Immunoprecipitation (ChIP), Chromatin Immunoprecipitation Sequencing
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:2500 - 1:5000, Immunocytochemistry/Immunofluorescence 1:1000, Immunohistochemistry-Paraffin 1:2500 - 1:5000, Chromatin Immunoprecipitation (ChIP) 2 ug/ChIP, Chromatin Immunoprecipitation Sequencing
Application Notes	Please note that the optimal antibody amount per ChIP should be determined by the end-user. We recommend testing 1-5 ug per ChIP.

Images

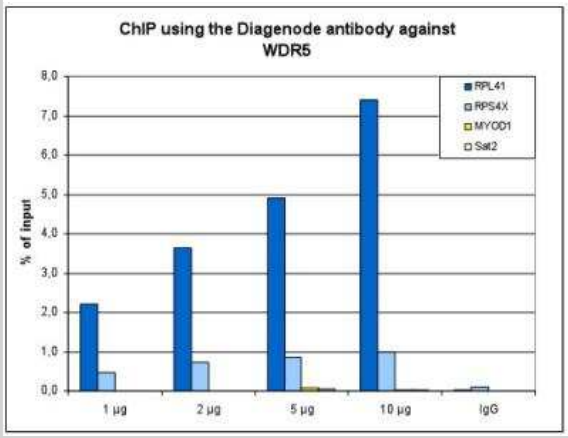
Western Blot: WDR5 Antibody [NBP3-18669] - Figure 3. Western blot analysis using the antibody directed against WDR5 Nclear extracts from HeLa cells (20 ug) were analysed by Western blot using the antibody against WDR5 diluted 1:1,000 in TBS-Tween containing 5% skimmed milk. The position of the protein of interest is indicated on the right; the marker (in kDa) is shown on the left.



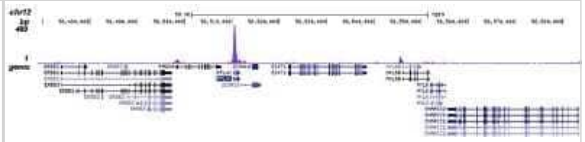
Immunocytochemistry/Immunofluorescence: WDR5 Antibody [NBP3-18669] - Figure 4. Immunofluorescence using the antibody directed against WDR HeLa cells were stained with the antibody against WDR5 and with DAPI. Cells were fixed with 4% formaldehyde for 10 and blocked with PBS/TX-100 containing 5% normal goat serum and 1% BSA. The cells were immunofluorescently labeled with the WDR5 antibody (left) diluted 1:1,000 in blocking solution followed by an anti-rabbit antibody conjugated to Alexa488. The middle panel shows staining of the nuclei with DAPI. A merge of the two stainings is shown on the right.



Chromatin Immunoprecipitation (ChIP): WDR5 Antibody [NBP3-18669] - Figure 1. ChIP results obtained with antibody directed against WDR5. ChIP assays performed using HeLa cells, antibody against WDR5 and optimized PCR primer sets for qPCR. ChIP performed with the "iDeal ChIP-seq" kit , using sheared chromatin from 4 million cells. A titration consisting of 1, 2, 5 and 10 ug of antibody/ChIP experiment analyzed. IgG (2 ug/IP) was used as a negative IP control. Quantitative PCR performed with optimized primers for the promoters of the RPL41 and RPS4X ribosomal protein genes, used as positive controls, and for the MYOD1 gene and the Sat2 satellite repeat, used as negative controls. Figure 1 shows the recovery, expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis).



Chromatin Immunoprecipitation Sequencing: WDR5 Antibody [NBP3-18669] - Figure 2. ChIP-seq results obtained with the antibody directed against WDR5 ChIP was performed on sheared chromatin from 4 million HeLa cells using 2 ug of the antibody against WDR5 as described above. The IPd DNA was subsequently analysed on an Illumina HiSeq. Library preparation, cluster generation and sequencing were performed according to the manufacturers instructions. The 50 bp tags were aligned to the human genome using the BWA algorithm. Figure 2 shows the enrichment along the complete sequence and a 2 Mb region of human chromosome 1 (fig 2A and B), and in two genomic regions surrounding the RPL41 and RPS4X positive control genes (fig 2C and D).



Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
novus@novusbio.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: technical@novusbio.com
Orders: orders@novusbio.com
General: novus@novusbio.com

Products Related to NBP3-18669

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7156	Goat anti-Rabbit IgG (H+L) Secondary Antibody
NBP1-50848-0.1mg	Recombinant Human WDR5 His Protein
210-TA-005	TNF-alpha [Unconjugated]

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP3-18669

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications