

Product Datasheet

Histone H3 [Dimethyl Arg17] Antibody NBP2-59162

Unit Size: 100 ul

Store at -20C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-59162

Updated 2/9/2023 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP2-59162



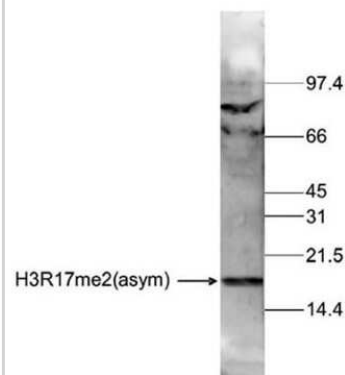
NBP2-59162

Histone H3 [Dimethyl Arg17] Antibody

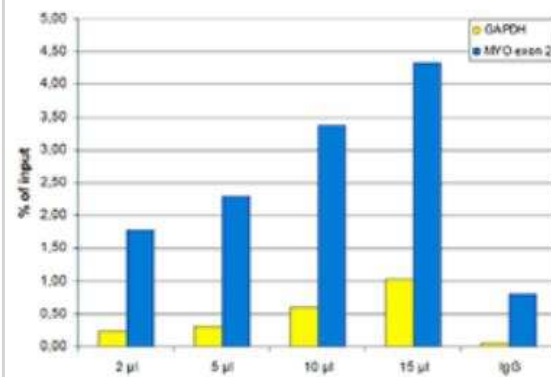
Product Information	
Unit Size	100 ul
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Whole Antiserum
Buffer	Serum
Target Molecular Weight	15 kDa
Product Description	
Host	Rabbit
Gene ID	126961
Gene Symbol	H3C14
Species	Human
Immunogen	The exact sequence of the immunogen to this Histone H3 [Dimethyl Arg17] antibody is proprietary.
Product Application Details	
Applications	Western Blot, Chromatin Immunoprecipitation, Dot Blot, ELISA
Recommended Dilutions	Western Blot 1:250, Chromatin Immunoprecipitation 10 - 15 uL/IP, ELISA 1:1000 - 1:3000, Dot Blot 1:20000

Images

Western Blot: Histone H3 [Dimethyl Arg17] Antibody [NBP2-59162] - Histone extracts of HeLa cells (15 ug) were analysed by Western blot using the antibody against H3R17me2(asym) diluted 1:250 in TBS-Tween containing 5% skimmed milk. Observed molecular weight is ~17 kDa.



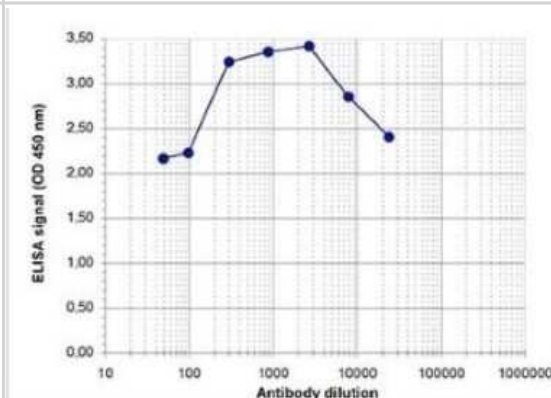
Chromatin Immunoprecipitation: Histone H3 [Dimethyl Arg17] Antibody [NBP2-59162] - ChIP assays were performed using human osteosarcoma (U2OS) cells, the antibody against H3R17me2(asym) and optimized PCR primer sets for qPCR. Chromatin was sheared with a Shearing ChIP kit. ChIP was performed with a ChIP kit, using sheared chromatin from 1.6 million cells per ChIP reaction. A titration of the antibody consisting of 2, 5, 10 and 15 uL per ChIP experiment was analysed. IgG (5 ug/IP) was used as negative IP control. Figure shows the recovery, expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis). QPCR performed with primers for the GAPDH promoter and for exon 2 of the myoglobin gene.



Dot Blot: Histone H3 [Dimethyl Arg17] Antibody [NBP2-59162] - A Dot Blot analysis was performed to test the cross reactivity of the antibody against H3R17me2(asym) with peptides containing other modifications of histone H3 and H4 and unmodified sequences from histone H3. One hundred to 0.2 pmol of the peptide containing the respective histone modification were spotted on a membrane. The antibody was used at a dilution of 1:20,000. Figure shows a high specificity of the antibody for the modification of interest.



ELISA: Histone H3 [Dimethyl Arg17] Antibody [NBP2-59162] - To determine the titer, an ELISA was performed using a serial dilution of the antibody directed against H3R17me2(asym). The antigen used was a peptide containing the histone modification of interest. By plotting the absorbance against the antibody dilution, the titer of the antibody was estimated to be 1:40,000.





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

nb-customerservice@bio-techne.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: nb-technical@bio-techne.com

Orders: nb-customerservice@bio-techne.com

General: novus@novusbio.com

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/NBP2-59162

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

