

Product Datasheet

Histone H4 [Trimethyl Lys20] Antibody (C.15100148) NBP2-59235

Unit Size: 100 ul

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

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NBP2-59235

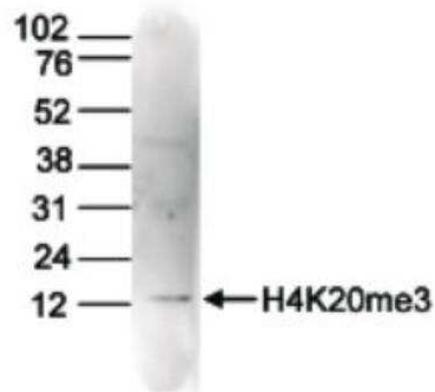
Histone H4 [Trimethyl Lys20] Antibody (C.15100148)

| 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 | Monoclonal |
| Clone | C.15100148 |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG1 |
| Purity | Concentrated Supernatant |
| Buffer | Culture Medium |
| Product Description | |
| Description | Monoclonal antibody raised in mouse against histone H4 containing the trimethylated lysine 20 (H4K20me3), using a KLH-conjugated synthetic peptide. |
| Host | Mouse |
| Gene ID | 121504 |
| Gene Symbol | HIST4H4 |
| Species | Human, Zebrafish |
| Immunogen | The exact immunogen is proprietary information. |
| Product Application Details | |
| Applications | Western Blot, Chromatin Immunoprecipitation, Immunocytochemistry/ Immunofluorescence, Immunofluorescence |
| Recommended Dilutions | Western Blot 1:50, Chromatin Immunoprecipitation 3 uL/IP, Immunocytochemistry/ Immunofluorescence 1:200, Immunofluorescence 1:200 |

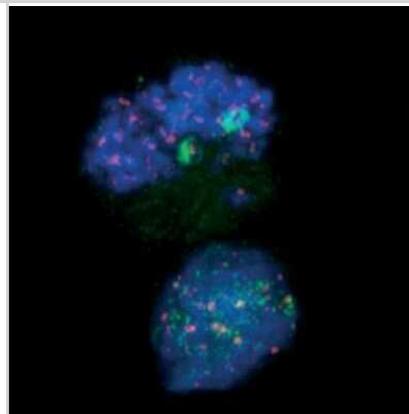


Images

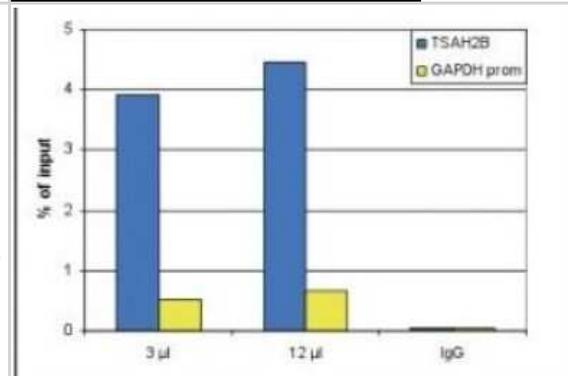
Western Blot: Histone H4 [Trimethyl Lys20] Antibody (C.15100148) [NBP2-59235] - Histone extracts of HeLa cells (15 ug) were analyzed by Western blot with antibody at 1:50 in TBS-Tween containing 5% skim milk. The position of the protein of interest is indicated on the right; the marker (in kDa) is shown on the left.



Immunocytochemistry/Immunofluorescence: Histone H4 [Trimethyl Lys20] Antibody (C.15100148) [NBP2-59235] - HEK293T cells were stained with the antibody (1:200 in blocking solution) and a CREST antibody (1:1000 in blocking solution) by overnight incubation at 4C. Subsequently cells were labeled with goat anti-mouse antibody conjugated to Alexa Fluor 488 and goat anti-human antibody conjugated to Alexa Fluor 633 (both diluted 1:200 in blocking solution and incubated for 1 hour at RT). Cells were mounted with Vectashield containing DAPI.



Chromatin Immunoprecipitation: Histone H4 [Trimethyl Lys20] Antibody (C.15100148) [NBP2-59235] - ChIP assays were performed using human HeLa cells, the antibody against H4K20me3 and optimized PCR primer sets for qPCR. ChIP was performed with a LowCell number ChIP kit, using sheared chromatin from 10,000 cells. Two different quantities of antibody (3 and 12 uL per ChIP experiment) were analyzed. IgG (1 ug) was used as negative IP control. QPCR was performed with primers for the GAPDH promoter and for the inactive gene TSH2B. Figure shows the recovery, expressed as % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis).





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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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