# **Product Datasheet** Histone H4 [ac Lys12, ac Lys16, ac Lys8, ac Lys5] Antibody

## NBP2-16848

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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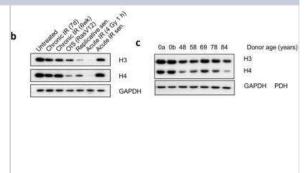
#### NBP2-16848

Histone H4 [ac Lys12, ac Lys16, ac Lys8, ac Lys5] Antibody

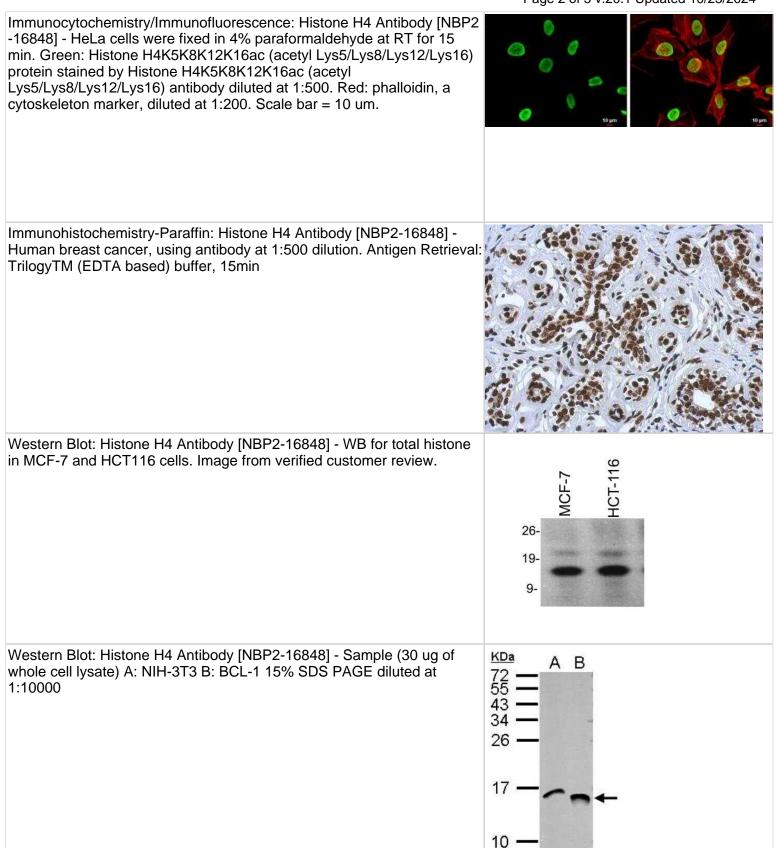
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Thimerosal
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 1% BSA, 20% Glycerol
Target Molecular Weight	11 kDa
Product Description	
Host	Rabbit
Gene ID	121504
Gene Symbol	H4C16
Species	Human, Mouse, Rat
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non- tested species: Xenopus laevis (100%).
Immunogen	Carrier-protein conjugated synthetic peptide surrounding acetyl Lys5/Lys8/Lys12/Lys16 of human Histone H4. The exact sequence is proprietary.
Product Application Details	
Applications	Western Blot, Dot Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:5000-1:20000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100- 1:1000, Dot Blot Assay dependent

#### Images

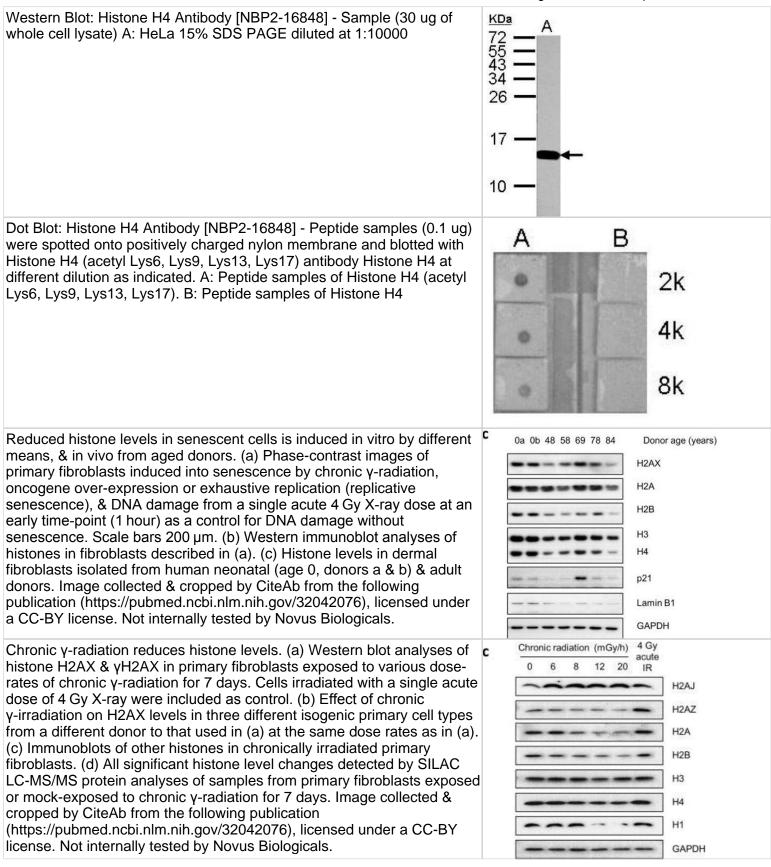
Western Blot: Histone H4 [ac Lys12, ac Lys16, ac Lys8, ac Lys5] Antibody [NBP2-16848] - Reduced histone levels in senescent cells is induced in vitro by different means, and in vivo from aged donors. (b) Western immunoblot analyses of histones in fibroblasts described in (a). (c) Histone levels in dermal fibroblasts isolated from human neonatal (age 0, donors a and b) and adult donors. Anti-Histone H3 Antibody (NB500-171) used at 1:20,000 and Anti-Histone H4 used at 1:10,000. Image collected and cropped by CiteAb from the following publication (https://doi.org/10.1038/s41598-020-59163-4) licensed under a CC-BY license.





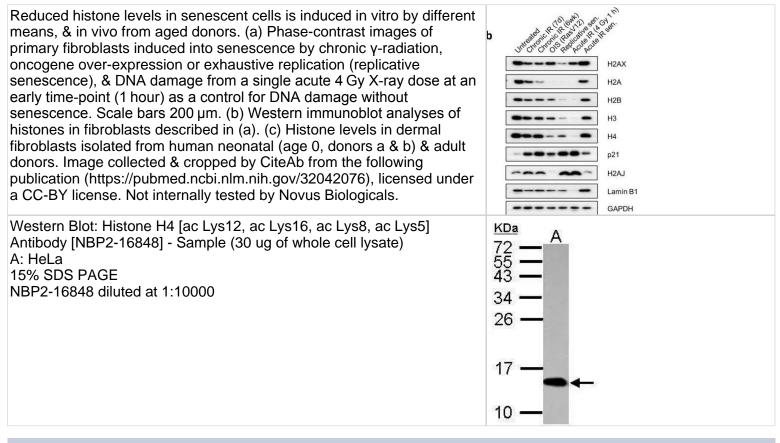








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#### **Publications**

Anderzhanova, E, Hafner, K Et al. The stress susceptibility factor FKBP51 controls S-ketamine-evoked release of mBDNF in the prefrontal cortex of mice. Neurobiol Stress 2020-11-01 [PMID: 33344695] (WB, Mouse)

Lowe DJ, Herzog M, Mosler T et al. Chronic irradiation of human cells reduces histone levels and deregulates gene expression Sci Rep 2020-02-10 [PMID: 32042076] (WB, Human)





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#### Products Related to NBP2-16848

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB21-2090PEP	Histone H4 [Trimethyl Lys20] Antibody Blocking Peptide

#### 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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