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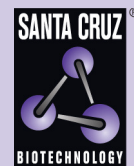
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Histone cluster 1 H3E (h): 293T Lysate: sc-116365

BACKGROUND

Eukaryotic histones are basic and water soluble nuclear proteins that form hetero-octameric nucleosome particles by wrapping 146 base pairs of DNA in a left-handed super-helical turn sequentially to form chromosomal fiber. Two molecules of each of the four core Histones (H2A, H2B, H3 and H4) form the octamer, which is comprised of two H2A-H2B dimers and two H3-H4 dimers, forming two nearly symmetrical halves by tertiary structure. Histones are subject to posttranslational modification by enzymes primarily on their N-terminal tails, but also in their globular domains. Histone cluster 1 H3E is a member of the Histone H3 family and is encoded by a gene located in the large histone gene cluster on chromosome 6. Histone cluster 1 H3E undergoes posttranslational modifications, including the phosphorylation of Ser 10.

REFERENCES

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STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

CHROMOSOMAL LOCATION

Genetic locus: HIST1H3E (human) mapping to 6p22.2.

PRODUCT

Histone cluster 1 H3E (h): 293T Lysate represents a lysate of human Histone cluster 1 H3E transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

Histone cluster 1 H3E (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive Histone cluster 1 H3E antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.