SANTA CRUZ BIOTECHNOLOGY, INC.

Tuftelin (h3): 293T Lysate: sc-170311

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

Dental enamel is a highly mineralized tissue in which most of the volume is occupied by large, highly organized hydroxyapatite crystals. This structure is thought to be controlled through the interaction of many organic matrix molecules, including Amelogenin, Ameloblastin, Enamelin and Tuftelin. All of these secreted proteins are involved in the mineralization and enamel matrix formation in developing tooth enamel. Tuftelin is also expressed in normal and cancerous non-mineralizing soft tissues, which suggests it has a universal function and/or a multifunctional role. The Tuftelin protein contains one N-glycosylation site, seven O-glycosylation sites and seven phosphorylation sites. It also contains a coiled-coil domain that is involved in self-assembly and the interaction of Tuftelin with the Tuftelin interacting protein TIP39.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TUFT1 (human) mapping to 1q21.3.

PRODUCT

Tuftelin (h3): 293T Lysate represents a lysate of human Tuftelin transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

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.

APPLICATIONS

Tuftelin (h3): 293T Lysate is suitable as a Western Blotting positive control for human reactive Tuftelin 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.