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UBA5 (h3): 293T Lysate: sc-158030

BACKGROUND

Ubiquitination is an important mechanism through which three classes of enzymes act in concert to target short-lived or abnormal proteins for destruction. The three classes of enzymes involved in ubiquitination are the ubiquitin-activating enzymes (E1s), the ubiquitin-conjugating enzymes (E2s) and the ubiquitin-protein ligases (E3s). UBA5 (Ubiquitin-activating enzyme 5), also known as UBE1DC1 or TH1FP1, is a 404 amino acid protein that belongs to the E1-like ubiquitin-activating enzyme family. Existing as two alternatively spliced isoforms, UBA5 forms a high-energy thioester bond with UFM1 (ubiquitin-fold modifier 1), a protein involved in post-translational modification. Via formation of a thioester bond, UBA5 activates UFM1 function and may, thus, play a role in the regulation of post-translational modification events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: UBA5 (human) mapping to 3q22.1.

PRODUCT

UBA5 (h3): 293T Lysate represents a lysate of human UBA5 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

UBA5 (h3): 293T Lysate is suitable as a Western Blotting positive control for human reactive UBA5 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.

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.

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.