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SANTA CRUZ BIOTECHNOLOGY, INC.

Uev1A (m): 293T Lysate: sc-127744

BACKGROUND

Uev1A, also designated Uev1, UBE2V1 (for Ubiquitin-conjugating enzyme E2 variant 1) and CROC1, shows sequence similarity to other Ubiquitin-conjugating enzymes, but lacks the conserved cysteine residue critical for their catalytic activity. Therefore, Uev1A does not have Ubiquitin-conjugating activity *in vitro.* However, constitutive expression of exogenous Uev1A in colon carcinoma cells inhibits their capacity to differentiate upon confluence. Studies on recombinant Uev1A show that it localizes to the nucleus, excluding the nucleolar regions. Uev1A functions with TRAF6, a RING domain protein, to catalyze the synthesis of unique polyubiquitin chains linked through Lysine 63 of Ubiquitin. The gene encoding Uev1A maps to human chromosome 20q13.13.

REFERENCES

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5. Gudgen, M., Chandrasekaran, A., Frazier, T. and Boyd, L. 2004. Interactions within the ubiquitin pathway of *Caenorhabditis elegans.* Biochem. Biophys. Res. Commun. 325: 479-486.
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CHROMOSOMAL LOCATION

Genetic locus: Ube2v1 (mouse) mapping to 2 H3.

PRODUCT

Uev1A (m): 293T Lysate represents a lysate of mouse Uev1A 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.

PROTOCOLS

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

APPLICATIONS

Uev1A (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive Uev1A 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.