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- Mindermengenzuschlag
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SANTA CRUZ BIOTECHNOLOGY, INC.

ARD1 (h): 293T Lysate: sc-128004

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

The ARD1 subfamily of proteins belongs to the larger acetyltransferase family. N-terminal acetyltransferase complex ARD1, also designated Te2, forms a complex with NARG1, displaying N-terminal acetyltransferase activity. Without NARG1, ARD1 promotes hypoxia-inducible factor-1α (HIF-1α) degradation by displaying internal acetyltransferase activity towards HIF-1α. This ubiquitously expressed protein, which is mainly cytoplasmic, is cleaved by caspases during apoptosis. ARD1 interacts with the ribosome, NARG1 and HIF-1α. In its binding to HIF-1α, ARD1 acts as a protein acetyltransferase by regulating its stability. In many cell lines, ARD1 is downregulated in response to hypoxia. ARD1 is expressed throughout the developing brain.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: NAA10 (human) mapping to Xq28.

PRODUCT

ARD1 (h): 293T Lysate represents a lysate of human ARD1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

ARD1 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive ARD1 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.

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.