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OVCA2 (h): 293T Lysate: sc-115821

BACKGROUND

OVCA2 (ovarian cancer-associated gene 2 protein) is a 227 amino acid nuclear protein that belongs to the UPF0483 family. It is ubiquitously expressed and its expression is regulated by retinoids. OVCA2 interacts with apoptosis-related protein Bag-1, indicating that this protein may participate in cell proliferation. OVCA2 is evolutionarily conserved and shares homology with dihydrofolate reductases (DHFRs). Due to its structural and catalytic characteristics, OVCA2 is thought to act as a serine-hydrolase and, because of its reduced expression in ovarian and other tumor cell lines, it may play a role in tumor suppression. OVCA2 is downregulated in lung cancer cells and is proteolytically degraded in leukemia cell lines when exposed to RA and 4HPR.

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: OVCA2 (human) mapping to 17p13.3.

PRODUCT

OVCA2 (h): 293T Lysate represents a lysate of human OVCA2 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

OVCA2 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive OVCA2 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.