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tumor-associated antigens. The Caov-3 cells harbor a nonsense mutation in the *p53* gene, and have multiple copies of the ovarian cancer oncogene *PIK3CA*. They are sensitive to vinblastine, cisplatin, and adriamycin. These cells fail to grow in soft agar but are tumorigenic when injected into immunocompromised mice.

Source

This cell line was established from the primary tumor of a 54-year-old Caucasian female with adenocarcinoma of the ovary.

Inventors

Jorgen Fogh, PhD, formerly at Sloan Kettering Institute, Memorial Sloan Kettering

Key References

Buick RN et al. (1985) Comparative properties of five human ovarian adenocarcinoma cell lines. *Cancer Research* 45: 3668-3676 (PubMed ID: [4016745](#))

Yaginuma Y et al. (1992) Abnormal structure and expression of the p53 gene in human ovarian carcinoma cell lines. *Cancer Research* 52: 4196-4199 (PubMed ID: [1638534](#))

Shayesteh L et al. (1999) PIK3CA is implicated as an oncogene in ovarian cancer. *Nature Genetics* 21: 99 - 102 (PubMed ID: [9916799](#))

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