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transport, and secretion by intestinal cells. Under standard culture conditions, these cells grow as a nonpolarized, undifferentiated multilayer. Altering culture conditions or treating the cells with various inducers, however, results in a differentiated and polarized morphology, characterized by the redistribution of membrane antigens and development of an apical brush-border membrane.

Source

This cell line was established in 1964 from the primary tumor of a 44-year-old Caucasian female with colorectal adenocarcinoma.

Inventors

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

Key References

Fogh J et al. (1977) One hundred and twenty-seven cultured human tumor cell lines producing tumors in nude mice. *Journal of the National Cancer Institute* 59: 221-226 (PubMed ID: [327080](#))

Cohen E et al. (1999) Induced differentiation in HT29, a human colon adenocarcinoma cell line. *Journal of Cell Science* 112: 2657-2666 (PubMed ID: [10413674](#))

Nautiyal J et al. (2011) Combination of dasatinib and curcumin eliminates chemo-resistant colon cancer cells. *Journal of Molecular Signaling* 6: 7 (PubMed ID: [21774804](#))

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