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**CDKN2A** genes. The Calu-3 cells are sensitive to erlotinib (EGFR tyrosine kinase inhibitor) and cetuximab (a monoclonal antibody that blocks ligand binding to EGFR and prevents downstream signaling), two commonly used drugs targeting ErbB receptors. These cells are capable of forming tumors in immunocompromised mice.

## Source

This cell line was established in 1975 from a metastatic site (pleural effusion) in a 25-year-old Caucasian male with adenocarcinoma of the lung.

## Inventors

Germain Trempe, formerly at Sloan Kettering Institute, Memorial Sloan Kettering

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](#))

Cavazzoni A et al. (2012) Combined use of anti-ErbB monoclonal antibodies and erlotinib enhances antibody-dependent cellular cytotoxicity of wild-type erlotinib-sensitive NSCLC cell lines. *Molecular Cancer* 11: 91 (PubMed ID: [23234355](#))

Blanco R et al. (2009) A gene-alteration profile of human lung cancer cell lines. *Human Mutation* 30: 1199–1206 (PubMed ID: [19472407](#))

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