



<b>Cell line:</b>	<b>A-431</b>
DSMZ no.:	<b>ACC 91</b>
Species:	human ( <i>Homo sapiens</i> )
Cell type:	epidermoid carcinoma
Origin:	established from the solid tumor of an 85-year-old woman; cells were reported to have large numbers of EGF binding sites; cell line was used as indicator cell line for anti-TGF binding
Reference(s):	14556
Biosafety level:	1
Permissions and restrictions:	A
<b>DSMZ Cell Culture Data:</b>	
Morphology:	epithelial-like, adherent cell line growing in monolayers; <a href="#">image</a>
Medium:	90% RPMI 1640 + 10% h.i. FBS
Subculture:	split confluent cultures 1:4 to 1:6 every 3-5 days using trypsin/EDTA; seed out at ca. $1-2 \times 10^6$ cells/80 cm <sup>2</sup>
Incubation:	at 37 °C with 5% CO <sub>2</sub>
Doubling time:	about 80-100 hours
Harvest:	about $7-12 \times 10^6$ cells/80 cm <sup>2</sup>
Storage:	frozen with 70% medium, 20% FBS, 10% DMSO
<b>DSMZ Scientific Data:</b>	
Mycoplasma:	contamination was eliminated with Mycoplasma Removal Agent, then negative in DAPI, microbiological culture, RNA hybridization, PCR assays
Immunology:	cytokeratin +, cytokeratin-7 -, cytokeratin-8 +, cytokeratin-17 +, cytokeratin-18 +, cytokeratin-19 -, desmin -, endothel -, EpCAM +, GFAP -, neurofilament -, vimentin -
Fingerprint:	multiplex PCR of minisatellite markers revealed a unique DNA profile
Species:	confirmed as human with IEF of AST, MDH, PEP B
Cytogenetics:	human hypotriploid karyotype with 24% polyploidy - 64(58-64)<3n>XX/XXX, -2, +3, +7, -8, +10, -11, -13, -14, -15, -16, -18, -22, +2mar - del(3)(p11)x1-2, add(4)(p15), add(6)(p21.3), del(7)(p15), der(7)t(7;11)(p11/13;q11/13)add(11)(q23), add(8)(p21), add(11)(q23), der(14)t(13;14)(q11;p11), add(16)(p13) - carries

t(7;11) with breakpoint at EGFR (which it overexpresses) - corresponds to published karyotype

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Viruses: ELISA: reverse transcriptase negative; PCR: EBV -, HBV -, HCV -, HHV-8 -, HIV -, HTLV-I/II -, MLV -, SMRV -

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Supplied as:	Delivery form	Prices
	Frozen culture	360,- €
	Growing culture (please inquire for exact delivery time)	720,- €
	DNA isolated from cell line (25 µg)	440,- €
	DNA isolated from cell line (5 µg)	100,- €

[see price list](#)

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[Print data sheet](#)

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