[illegible] A431

300112

[illegible] A431 [illegible] carcinoma epidermoid [illegible] 85 [illegible] A-431 [illegible] epidermal growth factor (EGF) [illegible]

[illegible] EGF [illegible] (EGFR) [illegible] A431 [illegible] MAPK/ERK [illegible] PI3K/AKT [illegible]

EGFR [illegible] A431 [illegible] EGFR [illegible]

[illegible]-[illegible] A-431 [illegible] EGF [illegible]

[illegible] A-431 [illegible] EGFR [illegible]

GENERAL INFORMATION

Description

[illegible] A431 [illegible] carcinoma epidermoid [illegible] 85 [illegible] A-431 [illegible] epidermal growth factor (EGF) [illegible]

[illegible] EGF [illegible] (EGFR) [illegible] A431 [illegible] MAPK/ERK [illegible] PI3K/AKT [illegible]

EGFR [illegible] A431 [illegible] EGFR [illegible]

[illegible]-[illegible] A-431 [illegible] EGF [illegible]

[illegible] A-431 [illegible] EGFR [illegible]

Tissue	[illegible]
Disease	[illegible]

Cytion GmbH
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Local court Mannheim - HRB 714394
CEO / Geschäftsführer: Jonathan Steubing

Banking information
Sparkasse Heidelberg
IBAN: DE35 6725 0020 0009 2076 86
BIC: SOLADES1HDB

Synonyms

- A-431
- A431/P

CLASSIFICATION

Organism	Human
Sex	Female
Growth properties	Adherent
Biosafety level	1

CHARACTERISTICS

Morphology	คล้ายเยื่อบุผิว, แบน, มีรูปหลายเหลี่ยม
Tumourigenic	ใช่ ในหนูที่มีภาวะภูมิคุ้มกันบกพร่อง

Karyotype

โครโมโซมเครื่องหมายหกตัวที่มีการจัดเรียงใหม่: der(6), der(7), der(17), der(21), dic(13,14), และ dic(14,18)□□□ขยายตัวของยีนก่อมะเร็ง C-MYC ที่ตำแหน่ง 8q24 ในโครโมโซมเครื่องหมายสองชนิด: dup(8)(q24) และ der(15)t(8,15)(q22,p11)

IDENTIFIERS

Citation

A431 (หมายเลขแคตตาล็อก Cytion 300112)

NCBI TaxID	9606
Cellosaurus	CVCL_0037

EXPRESSION AND SUSCEPTIBILITY

Receptors expressed

ตำแหน่งที่จับกับ EGF

Protein expression

P53 เป็นบวก

Isoenzymes

G6PD, B, PGM1, 1, PGM3, 1, ES-D, 1, Me-2, 0, AK-1, 1, GLO-1, 2

Mutational profile

BRAF V600Ewt

Products

HBp17

HANDLING AND CULTURE

Culture medium

DMEM, w: 4.5 กรัม/ลิตร กลูโคส, w: 4 มิลลิโมลาร์ แอล-กลูตามีน, w: 3.7 กรัม/ลิตร $NaHCO_3$, w: 1.0 มิลลิโมลาร์ โซเดียมไพรูเวต (หมายเลขบทความ Cytion 820300a)

Incubation atmosphere	37°C, 5%CO_2, บรรยากาศชื้น

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Supplements

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Dissociation reagent	□□□□□□□□□

Subculturing

□□ PBS □□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□ □□□□□□□□□□□ T25 □□□□□□□ PBS 3-5 □□. □□□□□□□□□□□□□□ T75 □□□□□□□ 5-10 □□. □□□□□□□□□□□□□□□□□ □□□□□□□□□□□ Accutase □□□□□□□ 1-2 □□. □□□□□□□□□□□□ T25 □□□ 2.5 □□. □□□□□□□□□□□ T75□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□ 8-10 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□ □ □□□□□□□□□□□□□□□□□□□□□□ 10 □□□ □□□□□□□□□□□□□□□□□□□□□□□□□ 300 □□□□□□□□□□□□□□□□□□□□□□□□□ (300xg) □□□□□□□□□ 3 □□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□ □□ □□□□□□□□□□□□□

Seeding density	1 x 10^4 □□□□□□/cm² □□□ 4 □□□
Fluid renewal	2 □□□ 3 □□□□□□□□□□□□□□□□□□
Post-thaw recovery	□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□ □□□□□□□□□□□□□ 5 x 10^4 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□ □□□□□□□□□□□ 24 □□□□□□□□□

Thawing and culturing

Confirm that the vial remains deeply frozen upon delivery, as cells are shipped on dry ice to maintain optimal temperatures during transit.
Upon receipt, either store the cryovial immediately at temperatures below -150°C to ensure the preservation of cellular integrity, or proceed to step 3 if immediate culturing is required.
For immediate culturing, swiftly thaw the vial by immersing it in a 37°C water bath with clean water and an antimicrobial agent, agitating gently for 40-60 seconds until a small ice clump remains.
Perform all subsequent steps under sterile conditions in a flow hood, disinfecting the cryovial with 70% ethanol before opening.
Carefully open the disinfected vial and transfer the cell suspension into a 15 ml centrifuge tube containing 8 ml of room-temperature culture medium, mixing gently.
Centrifuge the mixture at 300 x g for 3 minutes to separate the cells and carefully discard the supernatant containing residual freezing medium.
Gently resuspend the cell pellet in 10 ml of fresh culture medium. For adherent cells, divide the suspension between two T25 culture flasks; for suspension cultures, transfer all the medium into one T25 flask to promote effective cell interaction and growth.
Adhere to established subculture protocols for continued growth and maintenance of the cell line, ensuring reliable experimental outcomes.

QUALITY CONTROL AND CRYOPRESERVATION

Sterility

□□ PCR □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□

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Freeze medium	□□ □□□□□□□□□□□□□□□□□□□□ □□ (□□□□□□□ FBS) + 10% DMSO □□ □□□□□ CM-1 (□□□□□□□□□ □□□□□□□□□□□ Cytion 800100) □□□ □□□□□

Storage conditions

□□ □□□ −150 □□□□ −196 °C □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ −80 °C □□□ □□□□□□□□□□□□□□□□□□□□□□□□□□

Shipping conditions

[illegible] −78 °C [illegible]

DONOR

Donor age	85 [illegible]

LEGAL AND SAFETY

Safety precautions

[illegible]

Warranty

[illegible]Cytion [illegible]
[illegible]
60 [illegible]
[illegible]
[illegible] [illegible]/[illegible]
[illegible] [illegible]
<a href=""/Who-we-are/Warranty/"" hreflang=""x-default"">[illegible].

Material Transfer Agreement required	Yes

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