

A431 | 300112

Description	A431	85			A-431		
	EGF	A431	EGFR			MAPK/ERK	PI3K/AKT
	EGFR			A431	EGFR		
	A-431				EGF		
	A-431				EGFR		

Organism

Tissue

Disease

Synonyms	A-431	A431/P
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Age

Age	85
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Gender

Morphology

Growth properties

Citation

Citation	A431	Cytion	300112
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Biosafety level	1
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NCBI_TaxID	9606
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CellosaurusAccession	CVCL_0037
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Receptors expressed	EGF									
Protein expression	P53									
Isoenzymes	G6PD B PGM1 1 PGM3 1 ES-D 1 Me-2 0 AK-1 1 GLO-1 2									
Tumorigenic										
Products	HBp17									
Mutational profile	BRAF V600Ewt									
Karyotype	der(6) der(7) der(17) der(21) dic(13,14) dic(14,18) 8q24 C-MYC dup(8)(q24) der(1)									
Culture Medium	DMEM	4.5 g/L	4 mM L-	3.7 g/L NaHCO ₃	1.0 mM	Cytion	820300a			
Supplements	10%		FBS							
Dissociation Reagent	Accutase									
Subculturing	PBS		T25	3-5	PBS T75	5-10	Accutase	T25	1-2	T75
Seeding density	1×10^4 /cm ²									
Fluid renewal	2 3									
Post-Thaw Recovery	$4 / \text{cm}^2 \times 10$				24					
Freeze medium	FBS + 10% DMSO				CM-1 Cytion			800100		

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Thawing and Culturing Cells				
1.				
2.		-150°C		3
3.		37°C	40-60	
4.			70%	
5.		8	15	
6.	300 x g	3		
7.	10		T25	T25
8.				

Incubation Atmosphere

37°C 5% CO₂

Shipping Conditions	
	-78 °C

Storage Conditions

-150 -196 °C

-80 °C

Sterility	
	PCR