

# HALO™ Analysis Report

Tuesday, September 19, 2023  
11:52:58 AM

**Image:** HALO\_allsections\_round3\_AKT3\_Circle\_Fused.tif

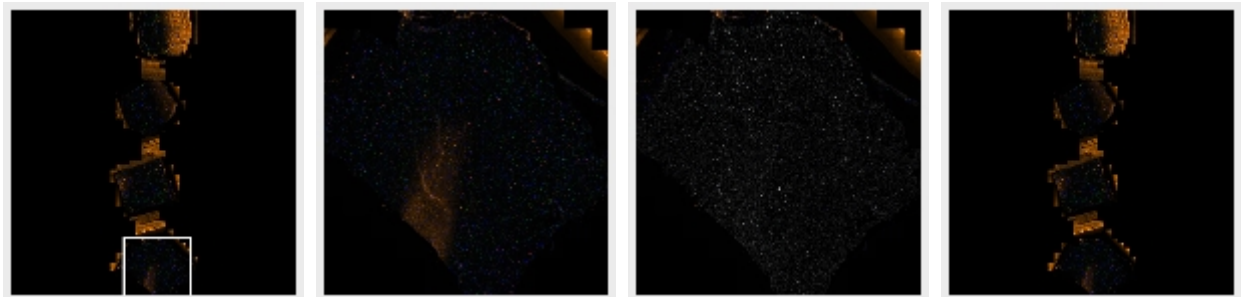
**Algorithm:** Indica Labs - FISH-IF v2.1.5

**Setting:** Decon\_AKT3\_Circle\_Cyto\_Nuc\_Copyintensity\_FINAL\_R3\_SMC2

**Analysis Region:** Layer 8

**Analyzed:** Tuesday, September 19, 2023 11:51 AM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	53506	Avg AKT3 (Opal 570) Copies Per Cell	6.562722
GAD1 (Opal 690) Positive Cells	6612	Avg CLDN5 (Alexa 488) Copies Per Cell	0.555115
DAPI (DAPI) Positive Cells	50686	Avg GFAP (Alexa 594) Area Per Cell (µm²)	1.526199
GAD1 (Opal 690) Positive Nuclei Cells	6592	Avg AKT3 (Opal 570) Area Per Cell (µm²)	13.001760
DAPI (DAPI) Positive Nuclei Cells	50686	Avg CLDN5 (Alexa 488) Area Per Cell (µm²)	1.608432
Negative Nuclei Cells	2647	Avg GFAP (Alexa 594) Cell Intensity	0.907817
GAD1 (Opal 690) Positive Cytoplasm Cells	3699	Avg AKT3 (Opal 570) Cell Intensity	29.957916
DAPI (DAPI) Positive Cytoplasm Cells	3967	Avg CLDN5 (Alexa 488) Cell Intensity	0.249714
Negative Cytoplasm Cells	46159	Avg GFAP (Alexa 594) Copies Per µm²	0.000876
DAPI/AKT3 Cells	48227	Avg AKT3 (Opal 570) Copies Per µm²	0.006666
GAD1/AKT3 Cells	6110	Avg CLDN5 (Alexa 488) Copies Per µm²	0.000564
GFAP/AKT3 Cells	4696	% GFAP (Alexa 594) 0+	88.216278
CLDN5/AKT3 Cells	2277	% GFAP (Alexa 594) 1+	4.934026
GAD1 Cells	6186	% GFAP (Alexa 594) 2+	4.171495
GFAP Cells	5139	% GFAP (Alexa 594) 3+	1.435353
CLDN5 Cells	2458	% GFAP (Alexa 594) 4+	1.242851
% GAD1 (Opal 690) Positive Cells	12.357492	% GFAP (Alexa 594) Positive GFAP (Alexa 594) H-Score	22.554480
% DAPI (DAPI) Positive Cells	94.729561	% AKT3 (Opal 570) 0+	5.412477
% GAD1 (Opal 690) Positive Nuclei Cells	12.320113	% AKT3 (Opal 570) 1+	31.704855
% DAPI (DAPI) Positive Nuclei Cells	94.729561	% AKT3 (Opal 570) 2+	40.961761
% GAD1 (Opal 690) Positive Cytoplasm Cells	6.913243	% AKT3 (Opal 570) 3+	13.140582
% DAPI (DAPI) Positive Cytoplasm Cells	7.414122	% AKT3 (Opal 570) 4+	8.780324
% DAPI/AKT3 Positive Cells	90.133820	% AKT3 (Opal 570) Positive AKT3 (Opal 570) H-Score	94.587524
% GAD1/AKT3 Positive Cells	11.419280		188.171417
% GFAP/AKT3 Positive Cells	8.776586		
% CLDN5/AKT3 Positive Cells	4.255598		
% GAD1 Positive Cells	11.561320		
% GFAP Positive Cells	9.604530		



% CLDN5 Positive Cells	4.593877	% CLDN5 (Alexa 488) 0+	95.028595
GAD1 (Opal 690) Avg Positive Nuclei Intensity	5.025670	% CLDN5 (Alexa 488) 1+	0.930737
DAPI (DAPI) Avg Positive Nuclei Intensity	44.982563	% CLDN5 (Alexa 488) 2+	2.164243
GAD1 (Opal 690) Avg Positive Cytoplasm Intensity	3.490224	% CLDN5 (Alexa 488) 3+	0.898965
DAPI (DAPI) Avg Positive Cytoplasm Intensity	15.287299	% CLDN5 (Alexa 488) 4+	0.977460
Total GFAP (Alexa 594) Copies	46140	% CLDN5 (Alexa 488) Positive	4.971405
Total AKT3 (Opal 570) Copies	351145	CLDN5 (Alexa 488) H-Score	11.865959
Total CLDN5 (Alexa 488) Copies	29702	Total Cell Area ( $\mu\text{m}^2$ )	8007035.500000
Total GFAP (Alexa 594) Area ( $\mu\text{m}^2$ )	81660.804688	Avg Cell Area ( $\mu\text{m}^2$ )	149.647430
Total AKT3 (Opal 570) Area ( $\mu\text{m}^2$ )	695672.125000	Avg Cytoplasm Area ( $\mu\text{m}^2$ )	114.816345
Total CLDN5 (Alexa 488) Area ( $\mu\text{m}^2$ )	86060.781250	Avg Nucleus Area ( $\mu\text{m}^2$ )	34.831093
Avg GFAP (Alexa 594) Copies Per Cell	0.862333	Avg Nucleus Perimeter ( $\mu\text{m}$ )	26.367441
		Avg Nucleus Roundness	0.752676
		Area Analyzed ( $\mu\text{m}^2$ )	52678428.000000