

# HALO™ Analysis Report

Tuesday, September 19, 2023  
12:13:04 PM

**Image:** HALO\_Allsections\_round4\_AKT3\_Circle\_Fused.tif

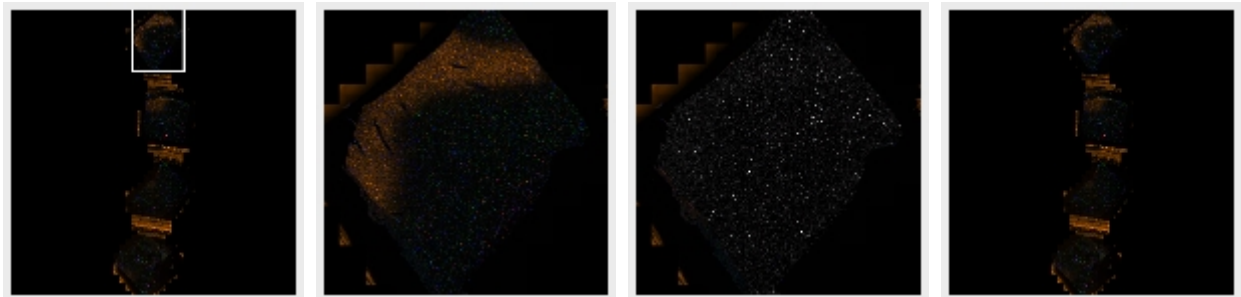
**Algorithm:** Indica Labs - FISH-IF v2.1.5

**Setting:** Decon\_AKT3\_Circle\_Cyto\_Nuc\_Copyintensity\_Final\_R4\_SMC2

**Analysis Region:** Layer 5

**Analyzed:** Tuesday, September 19, 2023 12:06 PM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	47405	Avg AKT3 (Opal 570) Copies Per Cell	7.222909
GAD1 (Opal 690) Positive Cells	4338	Avg CLDN5 (Alexa 488) Copies Per Cell	0.150343
DAPI (DAPI) Positive Cells	44402	Avg GFAP (Alexa 594) Area Per Cell (µm²)	6.701345
GAD1 (Opal 690) Positive Nuclei Cells	4310	Avg AKT3 (Opal 570) Area Per Cell (µm²)	14.237136
DAPI (DAPI) Positive Nuclei Cells	44402	Avg CLDN5 (Alexa 488) Area Per Cell (µm²)	0.407394
Negative Nuclei Cells	2806	Avg GFAP (Alexa 594) Cell Intensity	4.560064
GAD1 (Opal 690) Positive Cytoplasm Cells	2894	Avg AKT3 (Opal 570) Cell Intensity	40.216244
DAPI (DAPI) Positive Cytoplasm Cells	429	Avg CLDN5 (Alexa 488) Cell Intensity	0.053418
Negative Cytoplasm Cells	44116	Avg GFAP (Alexa 594) Copies Per µm²	0.004894
DAPI/AKT3 Cells	43034	Avg AKT3 (Opal 570) Copies Per µm²	0.008114
GAD1/AKT3 Cells	3548	Avg CLDN5 (Alexa 488) Copies Per µm²	0.000169
GFAP/AKT3 Cells	16676	% GFAP (Alexa 594) 0+	57.920052
CLDN5/AKT3 Cells	2002	% GFAP (Alexa 594) 1+	9.640333
GAD1 Cells	3560	% GFAP (Alexa 594) 2+	14.057589
GFAP Cells	17347	% GFAP (Alexa 594) 3+	9.119291
CLDN5 Cells	2186	% GFAP (Alexa 594) 4+	9.262736
% GAD1 (Opal 690) Positive Cells	9.150933	% GFAP (Alexa 594) Positive GFAP (Alexa 594) H-Score	102.164330
% DAPI (DAPI) Positive Cells	93.665222	% AKT3 (Opal 570) 0+	3.529164
% GAD1 (Opal 690) Positive Nuclei Cells	9.091868	% AKT3 (Opal 570) 1+	29.034912
% DAPI (DAPI) Positive Nuclei Cells	93.665222	% AKT3 (Opal 570) 2+	43.193756
% GAD1 (Opal 690) Positive Cytoplasm Cells	6.104841	% AKT3 (Opal 570) 3+	13.101994
% DAPI (DAPI) Positive Cytoplasm Cells	0.904968	% AKT3 (Opal 570) 4+	11.140175
% DAPI/AKT3 Positive Cells	90.779457	% AKT3 (Opal 570) Positive	96.470833
% GAD1/AKT3 Positive Cells	7.484443	AKT3 (Opal 570) H-Score	199.289108
% GFAP/AKT3 Positive Cells	35.177723		
% CLDN5/AKT3 Positive Cells	4.223183		
% GAD1 Positive Cells	7.509757		
% GFAP Positive Cells	36.593185		



% CLDN5 Positive Cells	4.611328	% CLDN5 (Alexa 488) 0+	94.791687
GAD1 (Opal 690) Avg Positive Nuclei Intensity	5.131629	% CLDN5 (Alexa 488) 1+	4.024892
DAPI (DAPI) Avg Positive Nuclei Intensity	33.412861	% CLDN5 (Alexa 488) 2+	0.923953
GAD1 (Opal 690) Avg Positive Cytoplasm Intensity	3.941908	% CLDN5 (Alexa 488) 3+	0.181415
DAPI (DAPI) Avg Positive Cytoplasm Intensity	13.818128	% CLDN5 (Alexa 488) 4+	0.078051
Total GFAP (Alexa 594) Copies	206499	% CLDN5 (Alexa 488) Positive	5.208312
Total AKT3 (Opal 570) Copies	342402	CLDN5 (Alexa 488) H-Score	6.729248
Total CLDN5 (Alexa 488) Copies	7127	Total Cell Area ( $\mu\text{m}^2$ )	7100728.500000
Total GFAP (Alexa 594) Area ( $\mu\text{m}^2$ )	317677.250000	Avg Cell Area ( $\mu\text{m}^2$ )	149.788605
Total AKT3 (Opal 570) Area ( $\mu\text{m}^2$ )	674911.437500	Avg Cytoplasm Area ( $\mu\text{m}^2$ )	114.505302
Total CLDN5 (Alexa 488) Area ( $\mu\text{m}^2$ )	19312.517578	Avg Nucleus Area ( $\mu\text{m}^2$ )	35.283295
Avg GFAP (Alexa 594) Copies Per Cell	4.356060	Avg Nucleus Perimeter ( $\mu\text{m}$ )	25.946646
		Avg Nucleus Roundness	0.788012
		Area Analyzed ( $\mu\text{m}^2$ )	42196872.000000