

# HALO™ Analysis Report

Tuesday, September 19, 2023  
11:46:09 AM

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

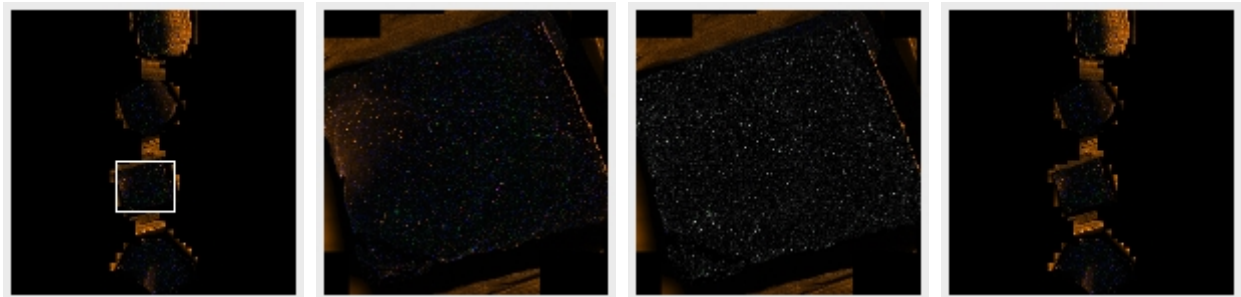
**Algorithm:** Indica Labs - FISH-IF v2.1.5

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

**Analysis Region:** Layer 7

**Analyzed:** Tuesday, September 19, 2023 11:44 AM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	44737	Avg AKT3 (Opal 570) Copies Per Cell	6.095670
GAD1 (Opal 690) Positive Cells	5637	Avg CLDN5 (Alexa 488) Copies Per Cell	1.445470
DAPI (DAPI) Positive Cells	43169	Avg GFAP (Alexa 594) Area Per Cell (µm²)	3.671407
GAD1 (Opal 690) Positive Nuclei Cells	5617	Avg AKT3 (Opal 570) Area Per Cell (µm²)	11.982100
DAPI (DAPI) Positive Nuclei Cells	43169	Avg CLDN5 (Alexa 488) Area Per Cell (µm²)	3.965828
Negative Nuclei Cells	1480	Avg GFAP (Alexa 594) Cell Intensity	3.290996
GAD1 (Opal 690) Positive Cytoplasm Cells	3535	Avg AKT3 (Opal 570) Cell Intensity	31.053349
DAPI (DAPI) Positive Cytoplasm Cells	1745	Avg CLDN5 (Alexa 488) Cell Intensity	0.650509
Negative Cytoplasm Cells	39540	Avg GFAP (Alexa 594) Copies Per µm²	0.003356
DAPI/AKT3 Cells	39336	Avg AKT3 (Opal 570) Copies Per µm²	0.006510
GAD1/AKT3 Cells	5111	Avg CLDN5 (Alexa 488) Copies Per µm²	0.001544
GFAP/AKT3 Cells	2950	% GFAP (Alexa 594) 0+	84.205467
CLDN5/AKT3 Cells	3538	% GFAP (Alexa 594) 1+	3.411047
GAD1 Cells	5146	% GFAP (Alexa 594) 2+	3.920692
GFAP Cells	3753	% GFAP (Alexa 594) 3+	2.237521
CLDN5 Cells	4008	% GFAP (Alexa 594) 4+	6.225272
% GAD1 (Opal 690) Positive Cells	12.600308	% GFAP (Alexa 594) Positive GFAP (Alexa 594) H-Score	42.866085
% DAPI (DAPI) Positive Cells	96.495071	% AKT3 (Opal 570) 0+	9.184792
% GAD1 (Opal 690) Positive Nuclei Cells	12.555603	% AKT3 (Opal 570) 1+	34.135056
% DAPI (DAPI) Positive Nuclei Cells	96.495071	% AKT3 (Opal 570) 2+	35.080582
% GAD1 (Opal 690) Positive Cytoplasm Cells	7.901737	% AKT3 (Opal 570) 3+	13.042895
% DAPI (DAPI) Positive Cytoplasm Cells	3.900574	% AKT3 (Opal 570) 4+	8.556676
% DAPI/AKT3 Positive Cells	87.927216	% AKT3 (Opal 570) Positive	90.815208
% GAD1/AKT3 Positive Cells	11.424548	AKT3 (Opal 570) H-Score	177.651611
% GFAP/AKT3 Positive Cells	6.594094		
% CLDN5/AKT3 Positive Cells	7.908442		
% GAD1 Positive Cells	11.502783		
% GFAP Positive Cells	8.389030		



% CLDN5 Positive Cells	8.959027	% CLDN5 (Alexa 488) 0+	90.406151
GAD1 (Opal 690) Avg Positive Nuclei Intensity	5.785050	% CLDN5 (Alexa 488) 1+	1.222702
DAPI (DAPI) Avg Positive Nuclei Intensity	56.062767	% CLDN5 (Alexa 488) 2+	3.518341
GAD1 (Opal 690) Avg Positive Cytoplasm Intensity	3.787196	% CLDN5 (Alexa 488) 3+	1.886582
DAPI (DAPI) Avg Positive Cytoplasm Intensity	14.683639	% CLDN5 (Alexa 488) 4+	2.966225
Total GFAP (Alexa 594) Copies	140586	% CLDN5 (Alexa 488) Positive	9.593848
Total AKT3 (Opal 570) Copies	272702	CLDN5 (Alexa 488) H-Score	25.784027
Total CLDN5 (Alexa 488) Copies	64666	Total Cell Area ( $\mu\text{m}^2$ )	6198337.500000
Total GFAP (Alexa 594) Area ( $\mu\text{m}^2$ )	164247.750000	Avg Cell Area ( $\mu\text{m}^2$ )	138.550583
Total AKT3 (Opal 570) Area ( $\mu\text{m}^2$ )	536043.250000	Avg Cytoplasm Area ( $\mu\text{m}^2$ )	109.452621
Total CLDN5 (Alexa 488) Area ( $\mu\text{m}^2$ )	177419.250000	Avg Nucleus Area ( $\mu\text{m}^2$ )	29.097967
Avg GFAP (Alexa 594) Copies Per Cell	3.142499	Avg Nucleus Perimeter ( $\mu\text{m}$ )	23.662207
		Avg Nucleus Roundness	0.782016
		Area Analyzed ( $\mu\text{m}^2$ )	41891860.000000