

# HALO™ Analysis Report

Friday, September 15, 2023  
03:08:31 PM

**Image:** Fused\_HALO\_section3\_Br6471\_Ant\_Circle.tif

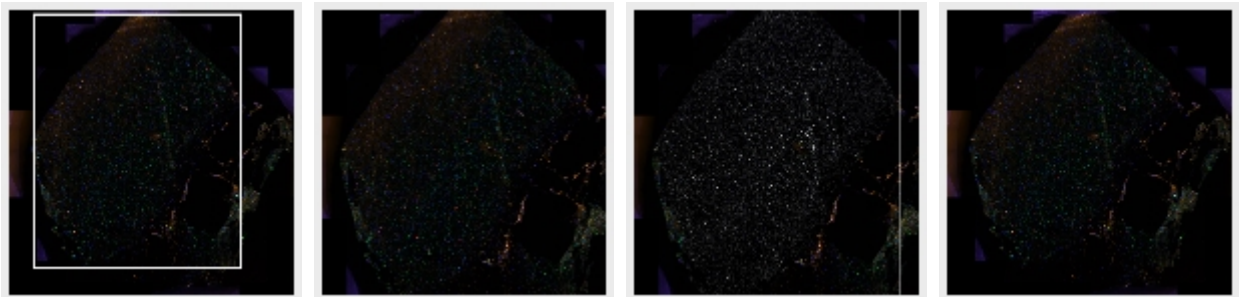
**Algorithm:** Indica Labs - FISH-IF v2.1.5

**Setting:** Decon\_AKT3\_Circle\_Cyto\_Nuc\_Copyintensity\_FINAL\_R1\_SMC2

**Analysis Region:** Layer 2

**Analyzed:** Friday, September 15, 2023 3:07 PM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	30971	Avg AKT3 (Opal 570) Copies Per Cell	3.132963
GAD1 (Opal 690) Positive Cells	4691	Avg CLDN5 (Alexa 488) Copies Per Cell	2.450357
DAPI (DAPI) Positive Cells	29059	Avg GFAP (Alexa 594) Area Per Cell (µm²)	1.067871
GAD1 (Opal 690) Positive Nuclei Cells	4503	Avg AKT3 (Opal 570) Area Per Cell (µm²)	9.150597
DAPI (DAPI) Positive Nuclei Cells	29059	Avg CLDN5 (Alexa 488) Area Per Cell (µm²)	2.722822
Negative Nuclei Cells	1758	Avg GFAP (Alexa 594) Cell Intensity	0.787770
GAD1 (Opal 690) Positive Cytoplasm Cells	3962	Avg AKT3 (Opal 570) Cell Intensity	18.072390
DAPI (DAPI) Positive Cytoplasm Cells	2769	Avg CLDN5 (Alexa 488) Cell Intensity	1.102776
Negative Cytoplasm Cells	24565	Avg GFAP (Alexa 594) Copies Per µm²	0.000775
DAPI/AKT3 Cells	19221	Avg AKT3 (Opal 570) Copies Per µm²	0.003227
GAD1/AKT3 Cells	3665	Avg CLDN5 (Alexa 488) Copies Per µm²	0.002524
GFAP/AKT3 Cells	1135	% GFAP (Alexa 594) 0+	91.701912
CLDN5/AKT3 Cells	1410	% GFAP (Alexa 594) 1+	3.948855
GAD1 Cells	4325	% GFAP (Alexa 594) 2+	2.247264
GFAP Cells	1717	% GFAP (Alexa 594) 3+	0.816893
CLDN5 Cells	2107	% GFAP (Alexa 594) 4+	1.285073
% GAD1 (Opal 690) Positive Cells	15.146427	% GFAP (Alexa 594) Positive	8.298085
% DAPI (DAPI) Positive Cells	93.826485	GFAP (Alexa 594) H-Score	16.034355
% GAD1 (Opal 690) Positive Nuclei Cells	14.539408	% AKT3 (Opal 570) 0+	35.278164
% DAPI (DAPI) Positive Nuclei Cells	93.826485	% AKT3 (Opal 570) 1+	31.726454
% GAD1 (Opal 690) Positive Cytoplasm Cells	12.792612	% AKT3 (Opal 570) 2+	25.084757
% DAPI (DAPI) Positive Cytoplasm Cells	8.940622	% AKT3 (Opal 570) 3+	6.089568
% DAPI/AKT3 Positive Cells	62.061283	% AKT3 (Opal 570) 4+	1.821058
% GAD1/AKT3 Positive Cells	11.833651	% AKT3 (Opal 570) Positive	64.721840
% GFAP/AKT3 Positive Cells	3.664719	AKT3 (Opal 570) H-Score	107.448906
% CLDN5/AKT3 Positive Cells	4.552646		
% GAD1 Positive Cells	13.964677		
% GFAP Positive Cells	5.543896		



% CLDN5 Positive Cells	6.803138	% CLDN5 (Alexa 488) 0+	92.819092
GAD1 (Opal 690) Avg Positive Nuclei Intensity	3.358452	% CLDN5 (Alexa 488) 1+	0.000000
DAPI (DAPI) Avg Positive Nuclei Intensity	37.676414	% CLDN5 (Alexa 488) 2+	0.364857
GAD1 (Opal 690) Avg Positive Cytoplasm Intensity	1.930621	% CLDN5 (Alexa 488) 3+	1.398082
DAPI (DAPI) Avg Positive Cytoplasm Intensity	15.476205	% CLDN5 (Alexa 488) 4+	5.417972
Total GFAP (Alexa 594) Copies	23317	% CLDN5 (Alexa 488) Positive	7.180911
Total AKT3 (Opal 570) Copies	97031	CLDN5 (Alexa 488) H-Score	26.595848
Total CLDN5 (Alexa 488) Copies	75890	Total Cell Area ( $\mu\text{m}^2$ )	5128625.000000
Total GFAP (Alexa 594) Area ( $\mu\text{m}^2$ )	33073.023438	Avg Cell Area ( $\mu\text{m}^2$ )	165.594437
Total AKT3 (Opal 570) Area ( $\mu\text{m}^2$ )	283403.125000	Avg Cytoplasm Area ( $\mu\text{m}^2$ )	122.542480
Total CLDN5 (Alexa 488) Area ( $\mu\text{m}^2$ )	84328.531250	Avg Nucleus Area ( $\mu\text{m}^2$ )	43.051952
Avg GFAP (Alexa 594) Copies Per Cell	0.752866	Avg Nucleus Perimeter ( $\mu\text{m}$ )	29.094515
		Avg Nucleus Roundness	0.785878
		Area Analyzed ( $\mu\text{m}^2$ )	30070092.000000