HALO™ Analysis Report

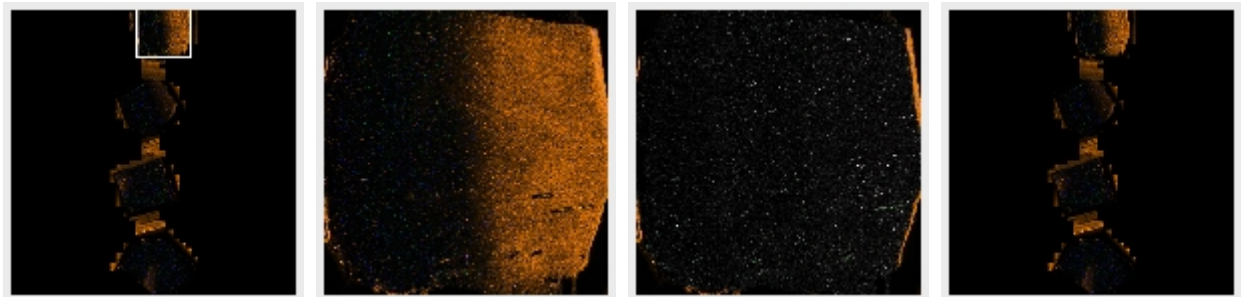**Image:** HALO_allsections_round3_AKT3_Circle_Fused.tif
Algorithm: Indica Labs - FISH-IF v2.1.5
Setting: Decon_AKT3_Circle_Cyto_Nuc_Copyintensity_FINAL_R3_SMC2
Analysis Region: Layer 5
Analyzed: Tuesday, September 19, 2023 11:32 AM

1.

ReferenceFrame	NoAnalysis	Markup	Image

Result Name	Value	Result Name	Value
Total Cells	58189	Avg AKT3 (Opal 570) Copies Per Cell	3.957913
GAD1 (Opal 690) Positive Cells	3931		
DAPI (DAPI) Positive Cells	55198	Avg CLDN5 (Alexa 488) Copies Per Cell	1.946880
GAD1 (Opal 690) Positive Nuclei Cells	3909		
DAPI (DAPI) Positive Nuclei Cells	55198	Avg GFAP (Alexa 594) Area Per Cell (µm²)	20.153728
Negative Nuclei Cells	2888	Avg AKT3 (Opal 570) Area Per Cell (µm²)	7.009145
GAD1 (Opal 690) Positive Cytoplasm Cells	1999		
DAPI (DAPI) Positive Cytoplasm Cells	746	Avg CLDN5 (Alexa 488) Area Per Cell (µm²)	4.810994
Negative Cytoplasm Cells	55479	Avg GFAP (Alexa 594) Cell Intensity	23.273907
DAPI/AKT3 Cells	43316	Avg AKT3 (Opal 570) Cell Intensity	16.398829
GAD1/AKT3 Cells	2944		
GFAP/AKT3 Cells	20095	Avg CLDN5 (Alexa 488) Cell Intensity	0.876468
CLDN5/AKT3 Cells	4741		
GAD1 Cells	2978	Avg GFAP (Alexa 594) Copies Per µm²	0.025282
GFAP Cells	30045		
CLDN5 Cells	5889	Avg AKT3 (Opal 570) Copies Per µm²	0.004497
% GAD1 (Opal 690) Positive Cells	6.755572		
% DAPI (DAPI) Positive Cells	94.859856	Avg CLDN5 (Alexa 488) Copies Per µm²	0.002212
% GAD1 (Opal 690) Positive Nuclei Cells	6.717764	% GFAP (Alexa 594) 0+	34.288269
		% GFAP (Alexa 594) 1+	3.139769
% DAPI (DAPI) Positive Nuclei Cells	94.859856	% GFAP (Alexa 594) 2+	5.602434
		% GFAP (Alexa 594) 3+	5.913489
% GAD1 (Opal 690) Positive Cytoplasm Cells	3.435357	% GFAP (Alexa 594) 4+	51.056042
		% GFAP (Alexa 594) Positive	65.711731
% DAPI (DAPI) Positive Cytoplasm Cells	1.282029	GFAP (Alexa 594) H-Score	236.309265
		% AKT3 (Opal 570) 0+	22.004158
% DAPI/AKT3 Positive Cells	74.440186	% AKT3 (Opal 570) 1+	42.504597
% GAD1/AKT3 Positive Cells	5.059375	% AKT3 (Opal 570) 2+	23.568027
% GFAP/AKT3 Positive Cells	34.534019	% AKT3 (Opal 570) 3+	7.305504
% CLDN5/AKT3 Positive Cells	8.147588	% AKT3 (Opal 570) 4+	4.617711
% GAD1 Positive Cells	5.117806	% AKT3 (Opal 570) Positive	77.995842
% GFAP Positive Cells	51.633469	AKT3 (Opal 570) H-Score	130.028015

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% CLDN5 Positive Cells	10.120469	% CLDN5 (Alexa 488) 0+	89.475677
GAD1 (Opal 690) Avg Positive Nuclei Intensity	4.791208	% CLDN5 (Alexa 488) 1+	2.856210
		% CLDN5 (Alexa 488) 2+	2.306278
DAPI (DAPI) Avg Positive Nuclei Intensity	44.341793	% CLDN5 (Alexa 488) 3+	1.304370
		% CLDN5 (Alexa 488) 4+	4.057468
GAD1 (Opal 690) Avg Positive Cytoplasm Intensity	3.545510	% CLDN5 (Alexa 488) Positive	10.524326
		CLDN5 (Alexa 488) H-Score	27.611748
DAPI (DAPI) Avg Positive Cytoplasm Intensity	14.704767	Total Cell Area (µm²)	7766043.500000
		Avg Cell Area (µm²)	133.462387
Total GFAP (Alexa 594) Copies	1294639	Avg Cytoplasm Area (µm²)	106.637642
Total AKT3 (Opal 570) Copies	230307	Avg Nucleus Area (µm²)	26.824753
Total CLDN5 (Alexa 488) Copies	113287	Avg Nucleus Perimeter (µm)	22.554468
Total GFAP (Alexa 594) Area (µm²)	1172725.375000	Avg Nucleus Roundness	0.791426
		Area Analyzed (µm²)	51208200.000000
Total AKT3 (Opal 570) Area (µm²)	407855.125000		
Total CLDN5 (Alexa 488) Area (µm²)	279946.906250		
Avg GFAP (Alexa 594) Copies Per Cell	22.248861		