

HALO™ Analysis Report

Tuesday, September 19, 2023
11:39:48 AM

Image: HALO_allsections_round3_AKT3_Circle_Fused.tif

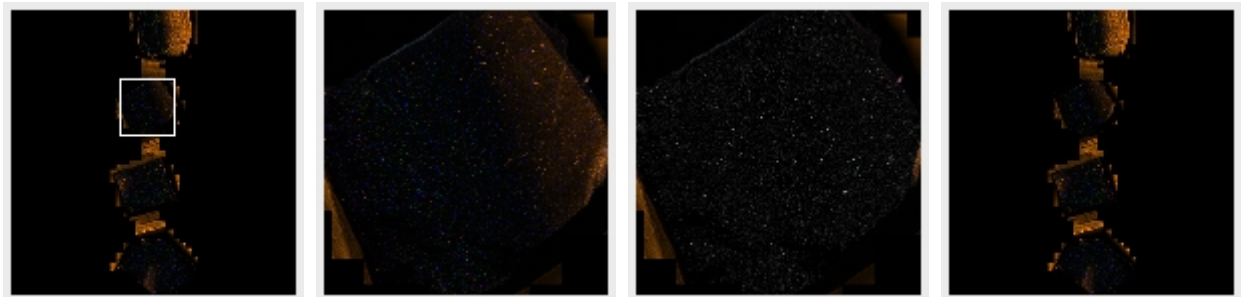
Algorithm: Indica Labs - FISH-IF v2.1.5

Setting: Decon_AKT3_Circle_Cyto_Nuc_Copyintensity_FINAL_R3_SMC2

Analysis Region: Layer 6

Analyzed: Tuesday, September 19, 2023 11:38 AM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	36772	Avg AKT3 (Opal 570) Copies Per Cell	5.281464
GAD1 (Opal 690) Positive Cells	3428	Avg CLDN5 (Alexa 488) Copies Per Cell	0.662189
DAPI (DAPI) Positive Cells	34618	Avg GFAP (Alexa 594) Area Per Cell (µm²)	2.280770
GAD1 (Opal 690) Positive Nuclei Cells	3407	Avg AKT3 (Opal 570) Area Per Cell (µm²)	9.858123
DAPI (DAPI) Positive Nuclei Cells	34618	Avg CLDN5 (Alexa 488) Area Per Cell (µm²)	2.073423
Negative Nuclei Cells	2020	Avg GFAP (Alexa 594) Cell Intensity	1.844769
GAD1 (Opal 690) Positive Cytoplasm Cells	1880	Avg AKT3 (Opal 570) Cell Intensity	23.967464
DAPI (DAPI) Positive Cytoplasm Cells	1233	Avg CLDN5 (Alexa 488) Cell Intensity	0.298101
Negative Cytoplasm Cells	33729	Avg GFAP (Alexa 594) Copies Per µm²	0.001518
DAPI/AKT3 Cells	30681	Avg AKT3 (Opal 570) Copies Per µm²	0.004554
GAD1/AKT3 Cells	3132	Avg CLDN5 (Alexa 488) Copies Per µm²	0.000571
GFAP/AKT3 Cells	2634	% GFAP (Alexa 594) 0+	87.096161
CLDN5/AKT3 Cells	1562	% GFAP (Alexa 594) 1+	4.987491
GAD1 Cells	3163	% GFAP (Alexa 594) 2+	3.418362
GFAP Cells	3408	% GFAP (Alexa 594) 3+	1.346133
CLDN5 Cells	1727	% GFAP (Alexa 594) 4+	3.151855
% GAD1 (Opal 690) Positive Cells	9.322310	% GFAP (Alexa 594) Positive	12.903840
% DAPI (DAPI) Positive Cells	94.142281	GFAP (Alexa 594) H-Score	28.470032
% GAD1 (Opal 690) Positive Nuclei Cells	9.265202	% AKT3 (Opal 570) 0+	11.821495
% DAPI (DAPI) Positive Nuclei Cells	94.142281	% AKT3 (Opal 570) 1+	40.413902
% GAD1 (Opal 690) Positive Cytoplasm Cells	5.112586	% AKT3 (Opal 570) 2+	31.151419
% DAPI (DAPI) Positive Cytoplasm Cells	3.353095	% AKT3 (Opal 570) 3+	9.232568
% DAPI/AKT3 Positive Cells	83.435768	% AKT3 (Opal 570) 4+	7.380616
% GAD1/AKT3 Positive Cells	8.517350	% AKT3 (Opal 570) Positive	88.178505
% GFAP/AKT3 Positive Cells	7.163059	AKT3 (Opal 570) H-Score	159.936905
% CLDN5/AKT3 Positive Cells	4.247797		
% GAD1 Positive Cells	8.601653		
% GFAP Positive Cells	9.267921		



% CLDN5 Positive Cells	4.696508	% CLDN5 (Alexa 488) 0+	95.156639
GAD1 (Opal 690) Avg Positive Nuclei Intensity	4.953713	% CLDN5 (Alexa 488) 1+	0.603720
DAPI (DAPI) Avg Positive Nuclei Intensity	54.865631	% CLDN5 (Alexa 488) 2+	1.838355
GAD1 (Opal 690) Avg Positive Cytoplasm Intensity	4.031703	% CLDN5 (Alexa 488) 3+	0.935494
DAPI (DAPI) Avg Positive Cytoplasm Intensity	14.454995	% CLDN5 (Alexa 488) 4+	1.465789
Total GFAP (Alexa 594) Copies	64750	% CLDN5 (Alexa 488) Positive	4.843359
Total AKT3 (Opal 570) Copies	194210	CLDN5 (Alexa 488) H-Score	12.950070
Total CLDN5 (Alexa 488) Copies	24350	Total Cell Area (μm^2)	5150333.000000
Total GFAP (Alexa 594) Area (μm^2)	83868.460938	Avg Cell Area (μm^2)	140.061279
Total AKT3 (Opal 570) Area (μm^2)	362502.875000	Avg Cytoplasm Area (μm^2)	109.966431
Total CLDN5 (Alexa 488) Area (μm^2)	76243.898438	Avg Nucleus Area (μm^2)	30.094845
Avg GFAP (Alexa 594) Copies Per Cell	1.760851	Avg Nucleus Perimeter (μm)	23.985973
		Avg Nucleus Roundness	0.784133
		Area Analyzed (μm^2)	42643604.000000