

HALO™ Analysis Report

Tuesday, September 19, 2023
11:24:38 AM

Image: HALO_allsections_round2_AKT3_Circle_Fused.tif

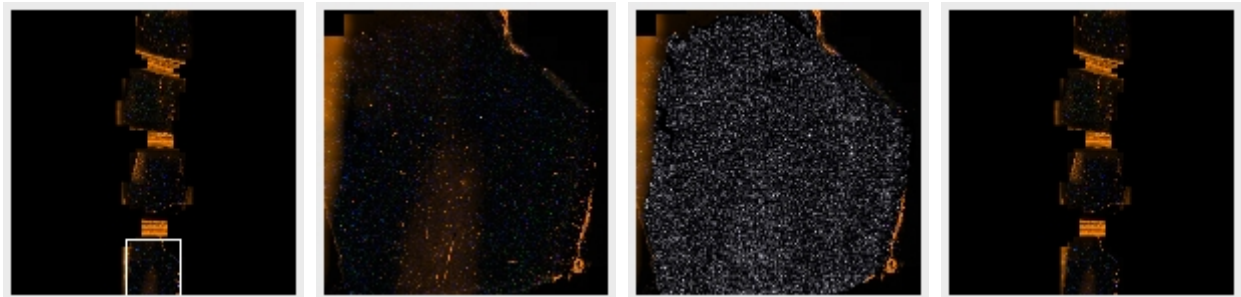
Algorithm: Indica Labs - FISH-IF v2.1.5

Setting: Decon_AKT3_Circle_Cyto_Nuc_Copyintensity_FINAL_R2

Analysis Region: Layer 8

Analyzed: Tuesday, September 19, 2023 11:23 AM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	54130	Avg AKT3 (Opal 570) Copies Per Cell	5.425069
GAD1 (Opal 690) Positive Cells	5816	Avg CLDN5 (Alexa 488) Copies Per Cell	1.943303
DAPI (DAPI) Positive Cells	51959	Avg GFAP (Alexa 594) Area Per Cell (µm²)	3.050534
GAD1 (Opal 690) Positive Nuclei Cells	5793	Avg AKT3 (Opal 570) Area Per Cell (µm²)	11.276162
DAPI (DAPI) Positive Nuclei Cells	51959	Avg CLDN5 (Alexa 488) Area Per Cell (µm²)	1.904423
Negative Nuclei Cells	2043	Avg GFAP (Alexa 594) Cell Intensity	2.234279
GAD1 (Opal 690) Positive Cytoplasm Cells	3576	Avg AKT3 (Opal 570) Cell Intensity	31.200323
DAPI (DAPI) Positive Cytoplasm Cells	1010	Avg CLDN5 (Alexa 488) Cell Intensity	0.874523
Negative Cytoplasm Cells	49593	Avg GFAP (Alexa 594) Copies Per µm²	0.002221
DAPI/AKT3 Cells	46230	Avg AKT3 (Opal 570) Copies Per µm²	0.005650
GAD1/AKT3 Cells	5502	Avg CLDN5 (Alexa 488) Copies Per µm²	0.002024
GFAP/AKT3 Cells	2687	% GFAP (Alexa 594) 0+	90.341766
CLDN5/AKT3 Cells	2812	% GFAP (Alexa 594) 1+	1.902827
GAD1 Cells	5549	% GFAP (Alexa 594) 2+	2.033992
GFAP Cells	3384	% GFAP (Alexa 594) 3+	1.204508
CLDN5 Cells	3034	% GFAP (Alexa 594) 4+	4.516904
% GAD1 (Opal 690) Positive Cells	10.744504	% GFAP (Alexa 594) Positive GFAP (Alexa 594) H-Score	27.651949
% DAPI (DAPI) Positive Cells	95.989288	% AKT3 (Opal 570) 0+	11.642343
% GAD1 (Opal 690) Positive Nuclei Cells	10.702014	% AKT3 (Opal 570) 1+	38.461113
% DAPI (DAPI) Positive Nuclei Cells	95.989288	% AKT3 (Opal 570) 2+	31.623869
% GAD1 (Opal 690) Positive Cytoplasm Cells	6.606318	% AKT3 (Opal 570) 3+	10.881212
% DAPI (DAPI) Positive Cytoplasm Cells	1.865878	% AKT3 (Opal 570) 4+	7.391465
% DAPI/AKT3 Positive Cells	85.405502	% AKT3 (Opal 570) Positive AKT3 (Opal 570) H-Score	88.357658
% GAD1/AKT3 Positive Cells	10.164419		163.918350
% GFAP/AKT3 Positive Cells	4.963975		
% CLDN5/AKT3 Positive Cells	5.194901		
% GAD1 Positive Cells	10.251247		
% GFAP Positive Cells	6.251616		



% CLDN5 Positive Cells	5.605025	% CLDN5 (Alexa 488) 0+	94.289673
GAD1 (Opal 690) Avg Positive Nuclei Intensity	5.462445	% CLDN5 (Alexa 488) 1+	0.000000
DAPI (DAPI) Avg Positive Nuclei Intensity	48.255093	% CLDN5 (Alexa 488) 2+	0.059117
GAD1 (Opal 690) Avg Positive Cytoplasm Intensity	3.864116	% CLDN5 (Alexa 488) 3+	0.938481
DAPI (DAPI) Avg Positive Cytoplasm Intensity	14.630641	% CLDN5 (Alexa 488) 4+	4.712729
Total GFAP (Alexa 594) Copies	115437	% CLDN5 (Alexa 488) Positive	5.710327
Total AKT3 (Opal 570) Copies	293659	CLDN5 (Alexa 488) H-Score	21.784594
Total CLDN5 (Alexa 488) Copies	105191	Total Cell Area (μm^2)	7764697.000000
Total GFAP (Alexa 594) Area (μm^2)	165125.437500	Avg Cell Area (μm^2)	143.445358
Total AKT3 (Opal 570) Area (μm^2)	610378.687500	Avg Cytoplasm Area (μm^2)	111.505753
Total CLDN5 (Alexa 488) Area (μm^2)	103086.414063	Avg Nucleus Area (μm^2)	31.939608
Avg GFAP (Alexa 594) Copies Per Cell	2.132588	Avg Nucleus Perimeter (μm)	24.887539
		Avg Nucleus Roundness	0.774284
		Area Analyzed (μm^2)	51979148.000000