

HALO™ Analysis Report

Tuesday, September 19, 2023
10:55:42 AM

Image: HALO_allsections_round2_AKT3_Circle_Fused.tif

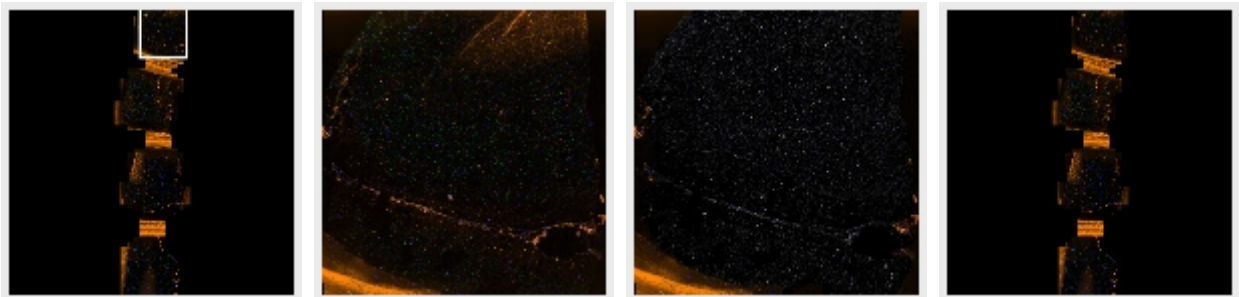
Algorithm: Indica Labs - FISH-IF v2.1.5

Setting: Decon_AKT3_Circle_Cyto_Nuc_Copyintensity_FINAL_R2_SMC2

Analysis Region: Layer 5

Analyzed: Tuesday, September 19, 2023 10:51 AM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	31829	Avg AKT3 (Opal 570) Copies Per Cell	6.599108
GAD1 (Opal 690) Positive Cells	4298	Avg CLDN5 (Alexa 488) Copies Per Cell	2.661064
DAPI (DAPI) Positive Cells	29499	Avg GFAP (Alexa 594) Area Per Cell (µm²)	22.867634
GAD1 (Opal 690) Positive Nuclei Cells	4275	Avg AKT3 (Opal 570) Area Per Cell (µm²)	14.297492
DAPI (DAPI) Positive Nuclei Cells	29499	Avg CLDN5 (Alexa 488) Area Per Cell (µm²)	2.483893
Negative Nuclei Cells	2145	Avg GFAP (Alexa 594) Cell Intensity	5.066387
GAD1 (Opal 690) Positive Cytoplasm Cells	2641	Avg AKT3 (Opal 570) Cell Intensity	40.737103
DAPI (DAPI) Positive Cytoplasm Cells	633	Avg CLDN5 (Alexa 488) Cell Intensity	1.197663
Negative Cytoplasm Cells	28571	Avg GFAP (Alexa 594) Copies Per µm²	0.004688
DAPI/AKT3 Cells	26988	Avg AKT3 (Opal 570) Copies Per µm²	0.005190
GAD1/AKT3 Cells	558	Avg CLDN5 (Alexa 488) Copies Per µm²	0.002093
GFAP/AKT3 Cells	14705	% GFAP (Alexa 594) 0+	27.223600
CLDN5/AKT3 Cells	2134	% GFAP (Alexa 594) 1+	20.852053
GAD1 Cells	575	% GFAP (Alexa 594) 2+	33.098747
GFAP Cells	16569	% GFAP (Alexa 594) 3+	11.533507
CLDN5 Cells	2261	% GFAP (Alexa 594) 4+	7.292092
% GAD1 (Opal 690) Positive Cells	13.503408	% GFAP (Alexa 594) Positive GFAP (Alexa 594) H-Score	150.818436
% DAPI (DAPI) Positive Cells	92.679634	% AKT3 (Opal 570) 0+	9.045210
% GAD1 (Opal 690) Positive Nuclei Cells	13.431148	% AKT3 (Opal 570) 1+	31.461874
% DAPI (DAPI) Positive Nuclei Cells	92.679634	% AKT3 (Opal 570) 2+	36.953720
% GAD1 (Opal 690) Positive Cytoplasm Cells	8.297464	% AKT3 (Opal 570) 3+	12.422633
% DAPI (DAPI) Positive Cytoplasm Cells	1.988752	% AKT3 (Opal 570) 4+	10.116560
% DAPI/AKT3 Positive Cells	84.790596	% AKT3 (Opal 570) Positive	90.954788
% GAD1/AKT3 Positive Cells	1.753118	AKT3 (Opal 570) H-Score	183.103455
% GFAP/AKT3 Positive Cells	46.200005		
% CLDN5/AKT3 Positive Cells	6.704577		
% GAD1 Positive Cells	1.806529		
% GFAP Positive Cells	52.056301		



% CLDN5 Positive Cells	7.103585	% CLDN5 (Alexa 488) 0+	92.638786
GAD1 (Opal 690) Avg Positive Nuclei Intensity	5.620164	% CLDN5 (Alexa 488) 1+	0.000000
DAPI (DAPI) Avg Positive Nuclei Intensity	38.991493	% CLDN5 (Alexa 488) 2+	0.053410
GAD1 (Opal 690) Avg Positive Cytoplasm Intensity	3.859809	% CLDN5 (Alexa 488) 3+	1.222156
DAPI (DAPI) Avg Positive Cytoplasm Intensity	15.751267	% CLDN5 (Alexa 488) 4+	6.085645
Total GFAP (Alexa 594) Copies	189695	% CLDN5 (Alexa 488) Positive	7.361211
Total AKT3 (Opal 570) Copies	210043	CLDN5 (Alexa 488) H-Score	28.115870
Total CLDN5 (Alexa 488) Copies	84699	Total Cell Area (μm^2)	4825464.000000
Total GFAP (Alexa 594) Area (μm^2)	727853.875000	Avg Cell Area (μm^2)	151.605896
Total AKT3 (Opal 570) Area (μm^2)	455074.875000	Avg Cytoplasm Area (μm^2)	115.923927
Total CLDN5 (Alexa 488) Area (μm^2)	79059.828125	Avg Nucleus Area (μm^2)	35.681965
Avg GFAP (Alexa 594) Copies Per Cell	5.959816	Avg Nucleus Perimeter (μm)	26.329542
		Avg Nucleus Roundness	0.761937
		Area Analyzed (μm^2)	40467716.000000