

HALO™ Analysis Report

Tuesday, September 19, 2023
11:14:11 AM

Image: HALO_allsections_round2_AKT3_Circle_Fused.tif

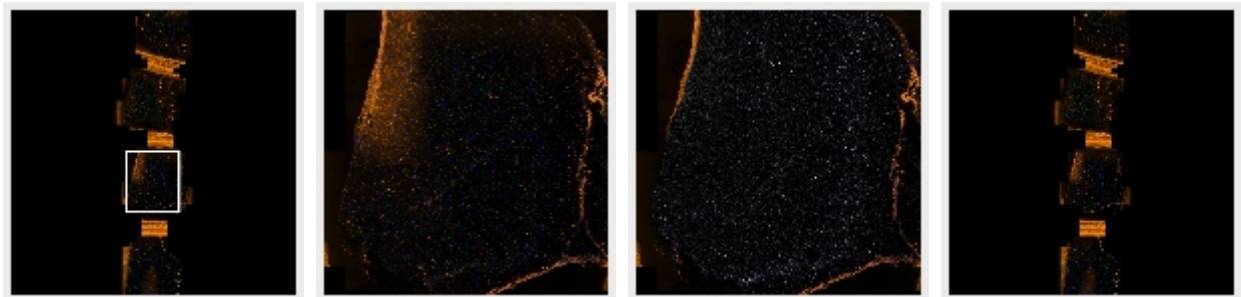
Algorithm: Indica Labs - FISH-IF v2.1.5

Setting: Decon_AKT3_Circle_Cyto_Nuc_Copyintensity_FINAL_R2_SMC3

Analysis Region: Layer 7

Analyzed: Tuesday, September 19, 2023 11:09 AM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	49172	Avg AKT3 (Opal 570) Copies Per Cell	5.757057
GAD1 (Opal 690) Positive Cells	7170	Avg CLDN5 (Alexa 488) Copies Per Cell	1.235419
DAPI (DAPI) Positive Cells	47098	Avg GFAP (Alexa 594) Area Per Cell (µm²)	12.396566
GAD1 (Opal 690) Positive Nuclei Cells	7154	Avg AKT3 (Opal 570) Area Per Cell (µm²)	11.457523
DAPI (DAPI) Positive Nuclei Cells	47098	Avg CLDN5 (Alexa 488) Area Per Cell (µm²)	1.204243
Negative Nuclei Cells	1897	Avg GFAP (Alexa 594) Cell Intensity	4.975792
GAD1 (Opal 690) Positive Cytoplasm Cells	4158	Avg AKT3 (Opal 570) Cell Intensity	27.213511
DAPI (DAPI) Positive Cytoplasm Cells	862	Avg CLDN5 (Alexa 488) Cell Intensity	0.556053
Negative Cytoplasm Cells	44202	Avg GFAP (Alexa 594) Copies Per µm²	0.004844
DAPI/AKT3 Cells	43332	Avg AKT3 (Opal 570) Copies Per µm²	0.005768
GAD1/AKT3 Cells	5837	Avg CLDN5 (Alexa 488) Copies Per µm²	0.001238
GFAP/AKT3 Cells	13732	% GFAP (Alexa 594) 0+	61.323517
CLDN5/AKT3 Cells	1824	% GFAP (Alexa 594) 1+	8.362483
GAD1 Cells	5908	% GFAP (Alexa 594) 2+	11.305214
GFAP Cells	15869	% GFAP (Alexa 594) 3+	8.834296
CLDN5 Cells	1958	% GFAP (Alexa 594) 4+	10.174490
% GAD1 (Opal 690) Positive Cells	14.581470	% GFAP (Alexa 594) Positive	38.676483
% DAPI (DAPI) Positive Cells	95.782150	GFAP (Alexa 594) H-Score	98.173759
% GAD1 (Opal 690) Positive Nuclei Cells	14.548930	% AKT3 (Opal 570) 0+	8.679736
% DAPI (DAPI) Positive Nuclei Cells	95.782150	% AKT3 (Opal 570) 1+	36.549255
% GAD1 (Opal 690) Positive Cytoplasm Cells	8.456032	% AKT3 (Opal 570) 2+	35.707314
% DAPI (DAPI) Positive Cytoplasm Cells	1.753030	% AKT3 (Opal 570) 3+	11.795331
% DAPI/AKT3 Positive Cells	88.123322	% AKT3 (Opal 570) 4+	7.268364
% GAD1/AKT3 Positive Cells	11.870577	% AKT3 (Opal 570) Positive	91.320267
% GFAP/AKT3 Positive Cells	27.926462	AKT3 (Opal 570) H-Score	172.423325
% CLDN5/AKT3 Positive Cells	3.709428		
% GAD1 Positive Cells	12.014968		
% GFAP Positive Cells	32.272430		



% CLDN5 Positive Cells	3.981941	% CLDN5 (Alexa 488) 0+	95.950951
GAD1 (Opal 690) Avg Positive Nuclei Intensity	4.961641	% CLDN5 (Alexa 488) 1+	0.000000
DAPI (DAPI) Avg Positive Nuclei Intensity	42.733429	% CLDN5 (Alexa 488) 2+	0.040674
GAD1 (Opal 690) Avg Positive Cytoplasm Intensity	3.218099	% CLDN5 (Alexa 488) 3+	0.789067
DAPI (DAPI) Avg Positive Cytoplasm Intensity	15.013775	% CLDN5 (Alexa 488) 4+	3.219312
Total GFAP (Alexa 594) Copies	237737	% CLDN5 (Alexa 488) Positive	4.049052
Total AKT3 (Opal 570) Copies	283086	CLDN5 (Alexa 488) H-Score	15.325795
Total CLDN5 (Alexa 488) Copies	60748	Total Cell Area (μm^2)	7305745.500000
Total GFAP (Alexa 594) Area (μm^2)	609563.937500	Avg Cell Area (μm^2)	148.575317
Total AKT3 (Opal 570) Area (μm^2)	563389.312500	Avg Cytoplasm Area (μm^2)	114.319588
Total CLDN5 (Alexa 488) Area (μm^2)	59215.050781	Avg Nucleus Area (μm^2)	34.255726
Avg GFAP (Alexa 594) Copies Per Cell	4.834805	Avg Nucleus Perimeter (μm)	25.687666
		Avg Nucleus Roundness	0.781383
		Area Analyzed (μm^2)	49076432.000000