

HALO™ Analysis Report

Tuesday, September 19, 2023
12:19:23 PM

Image: HALO_Allsections_round4_AKT3_Circle_Fused.tif

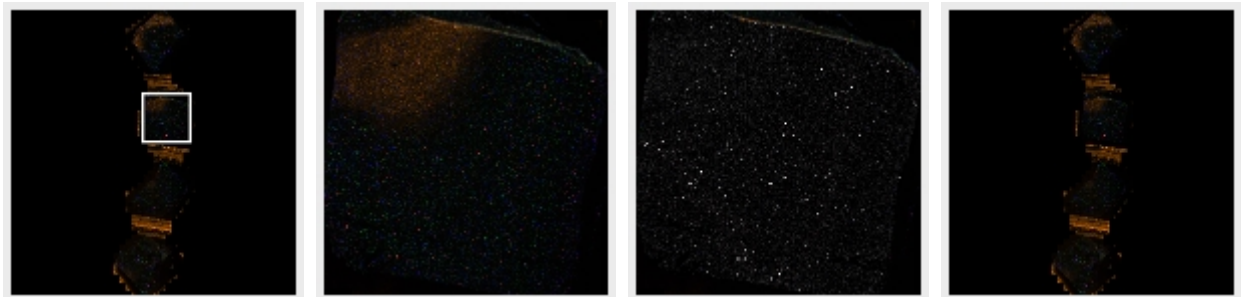
Algorithm: Indica Labs - FISH-IF v2.1.5

Setting: Decon_AKT3_Circle_Cyto_Nuc_Copyintensity_Final_R4_SMC2

Analysis Region: Layer 6

Analyzed: Tuesday, September 19, 2023 12:17 PM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	42864	Avg AKT3 (Opal 570) Copies Per Cell	8.185540
GAD1 (Opal 690) Positive Cells	5030	Avg CLDN5 (Alexa 488) Copies Per Cell	0.091429
DAPI (DAPI) Positive Cells	39197	Avg GFAP (Alexa 594) Area Per Cell (μm²)	3.239128
GAD1 (Opal 690) Positive Nuclei Cells	5003	Avg AKT3 (Opal 570) Area Per Cell (μm²)	16.728073
DAPI (DAPI) Positive Nuclei Cells	39197	Avg CLDN5 (Alexa 488) Area Per Cell (μm²)	0.228867
Negative Nuclei Cells	3374	Avg GFAP (Alexa 594) Cell Intensity	1.834626
GAD1 (Opal 690) Positive Cytoplasm Cells	3251	Avg AKT3 (Opal 570) Cell Intensity	47.505276
DAPI (DAPI) Positive Cytoplasm Cells	334	Avg CLDN5 (Alexa 488) Cell Intensity	0.032838
Negative Cytoplasm Cells	39311	Avg GFAP (Alexa 594) Copies Per μm²	0.001797
DAPI/AKT3 Cells	38289	Avg AKT3 (Opal 570) Copies Per μm²	0.008428
GAD1/AKT3 Cells	4496	Avg CLDN5 (Alexa 488) Copies Per μm²	0.000094
GFAP/AKT3 Cells	8579	% GFAP (Alexa 594) 0+	75.531914
CLDN5/AKT3 Cells	1200	% GFAP (Alexa 594) 1+	8.594625
GAD1 Cells	4503	% GFAP (Alexa 594) 2+	9.737775
GFAP Cells	8885	% GFAP (Alexa 594) 3+	3.791060
CLDN5 Cells	1351	% GFAP (Alexa 594) 4+	2.344625
% GAD1 (Opal 690) Positive Cells	11.734789	% GFAP (Alexa 594) Positive GFAP (Alexa 594) H-Score	48.821854
% DAPI (DAPI) Positive Cells	91.445038	% AKT3 (Opal 570) 0+	2.666573
% GAD1 (Opal 690) Positive Nuclei Cells	11.671799	% AKT3 (Opal 570) 1+	23.679544
% DAPI (DAPI) Positive Nuclei Cells	91.445038	% AKT3 (Opal 570) 2+	43.507374
% GAD1 (Opal 690) Positive Cytoplasm Cells	7.584453	% AKT3 (Opal 570) 3+	16.160414
% DAPI (DAPI) Positive Cytoplasm Cells	0.779209	% AKT3 (Opal 570) 4+	13.986095
% DAPI/AKT3 Positive Cells	89.326706	% AKT3 (Opal 570) Positive	97.333427
% GAD1/AKT3 Positive Cells	10.488989	AKT3 (Opal 570) H-Score	215.119919
% GFAP/AKT3 Positive Cells	20.014463		
% CLDN5/AKT3 Positive Cells	2.799552		
% GAD1 Positive Cells	10.505320		
% GFAP Positive Cells	20.728350		



% CLDN5 Positive Cells	3.151829	% CLDN5 (Alexa 488) 0+	96.663864
GAD1 (Opal 690) Avg Positive Nuclei Intensity	4.928296	% CLDN5 (Alexa 488) 1+	2.657242
DAPI (DAPI) Avg Positive Nuclei Intensity	31.620186	% CLDN5 (Alexa 488) 2+	0.513251
GAD1 (Opal 690) Avg Positive Cytoplasm Intensity	3.693417	% CLDN5 (Alexa 488) 3+	0.116648
DAPI (DAPI) Avg Positive Cytoplasm Intensity	13.850848	% CLDN5 (Alexa 488) 4+	0.048992
Total GFAP (Alexa 594) Copies	74826	% CLDN5 (Alexa 488) Positive	3.336133
Total AKT3 (Opal 570) Copies	350865	CLDN5 (Alexa 488) H-Score	4.229657
Total CLDN5 (Alexa 488) Copies	3919	Total Cell Area (μm^2)	6725109.000000
Total GFAP (Alexa 594) Area (μm^2)	138842.000000	Avg Cell Area (μm^2)	156.894104
Total AKT3 (Opal 570) Area (μm^2)	717032.125000	Avg Cytoplasm Area (μm^2)	118.034500
Total CLDN5 (Alexa 488) Area (μm^2)	9810.152344	Avg Nucleus Area (μm^2)	38.859604
Avg GFAP (Alexa 594) Copies Per Cell	1.745661	Avg Nucleus Perimeter (μm)	27.314016
		Avg Nucleus Roundness	0.787936
		Area Analyzed (μm^2)	41629964.000000