

HALO™ Analysis Report

Tuesday, September 19, 2023
12:00:43 PM

Image: HALO_Round3_BO_AKT3_Circle_Fused.tif

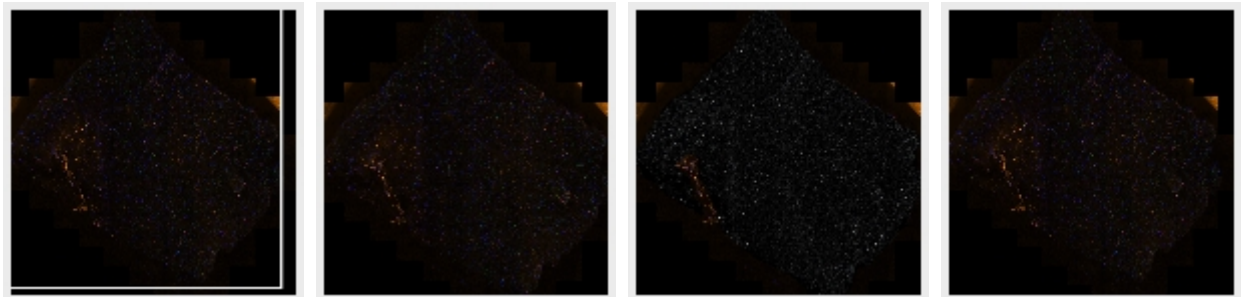
Algorithm: Indica Labs - FISH-IF v2.1.5

Setting: Decon_AKT3_Circle_Cyto_Nuc_Copyintensity_FINAL_R3_SMC2

Analysis Region: Layer 3

Analyzed: Tuesday, September 19, 2023 11:59 AM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	51184	Avg AKT3 (Opal 570) Copies Per Cell	5.374121
GAD1 (Opal 690) Positive Cells	7749	Avg CLDN5 (Alexa 488) Copies Per Cell	0.664485
DAPI (DAPI) Positive Cells	48887	Avg GFAP (Alexa 594) Area Per Cell (µm²)	1.824956
GAD1 (Opal 690) Positive Nuclei Cells	7740	Avg AKT3 (Opal 570) Area Per Cell (µm²)	10.533518
DAPI (DAPI) Positive Nuclei Cells	48887	Avg CLDN5 (Alexa 488) Area Per Cell (µm²)	1.916175
Negative Nuclei Cells	2146	Avg GFAP (Alexa 594) Cell Intensity	1.082269
GAD1 (Opal 690) Positive Cytoplasm Cells	3394	Avg AKT3 (Opal 570) Cell Intensity	21.826221
DAPI (DAPI) Positive Cytoplasm Cells	2167	Avg CLDN5 (Alexa 488) Cell Intensity	0.299008
Negative Cytoplasm Cells	45771	Avg GFAP (Alexa 594) Copies Per µm²	0.001020
DAPI/AKT3 Cells	45252	Avg AKT3 (Opal 570) Copies Per µm²	0.005317
GAD1/AKT3 Cells	7146	Avg CLDN5 (Alexa 488) Copies Per µm²	0.000657
GFAP/AKT3 Cells	2516	% GFAP (Alexa 594) 0+	90.305565
CLDN5/AKT3 Cells	2620	% GFAP (Alexa 594) 1+	2.977493
GAD1 Cells	7356	% GFAP (Alexa 594) 2+	3.149422
GFAP Cells	3031	% GFAP (Alexa 594) 3+	1.564942
CLDN5 Cells	2889	% GFAP (Alexa 594) 4+	2.002579
% GAD1 (Opal 690) Positive Cells	15.139497	% GFAP (Alexa 594) Positive GFAP (Alexa 594) H-Score	21.981478
% DAPI (DAPI) Positive Cells	95.512268	% AKT3 (Opal 570) 0+	8.215458
% GAD1 (Opal 690) Positive Nuclei Cells	15.121913	% AKT3 (Opal 570) 1+	36.179276
% DAPI (DAPI) Positive Nuclei Cells	95.512268	% AKT3 (Opal 570) 2+	39.742889
% GAD1 (Opal 690) Positive Cytoplasm Cells	6.630979	% AKT3 (Opal 570) 3+	10.726008
% DAPI (DAPI) Positive Cytoplasm Cells	4.233745	% AKT3 (Opal 570) 4+	5.136371
% DAPI/AKT3 Positive Cells	88.410439	% AKT3 (Opal 570) Positive AKT3 (Opal 570) H-Score	91.784538
% GAD1/AKT3 Positive Cells	13.961394		168.388565
% GFAP/AKT3 Positive Cells	4.915598		
% CLDN5/AKT3 Positive Cells	5.118787		
% GAD1 Positive Cells	14.371678		
% GFAP Positive Cells	5.921772		



% CLDN5 Positive Cells	5.644342	% CLDN5 (Alexa 488) 0+	94.097763
GAD1 (Opal 690) Avg Positive Nuclei Intensity	4.546060	% CLDN5 (Alexa 488) 1+	0.845967
DAPI (DAPI) Avg Positive Nuclei Intensity	51.289028	% CLDN5 (Alexa 488) 2+	2.627774
GAD1 (Opal 690) Avg Positive Cytoplasm Intensity	2.989504	% CLDN5 (Alexa 488) 3+	1.170288
DAPI (DAPI) Avg Positive Cytoplasm Intensity	14.429824	% CLDN5 (Alexa 488) 4+	1.258206
Total GFAP (Alexa 594) Copies	52753	% CLDN5 (Alexa 488) Positive	5.902235
Total AKT3 (Opal 570) Copies	275069	CLDN5 (Alexa 488) H-Score	14.645202
Total CLDN5 (Alexa 488) Copies	34011	Total Cell Area (μm^2)	7468604.000000
Total GFAP (Alexa 594) Area (μm^2)	93408.523438	Avg Cell Area (μm^2)	145.916779
Total AKT3 (Opal 570) Area (μm^2)	539147.625000	Avg Cytoplasm Area (μm^2)	113.434708
Total CLDN5 (Alexa 488) Area (μm^2)	98077.476563	Avg Nucleus Area (μm^2)	32.482063
Avg GFAP (Alexa 594) Copies Per Cell	1.030654	Avg Nucleus Perimeter (μm)	25.045444
		Avg Nucleus Roundness	0.765192
		Area Analyzed (μm^2)	51734152.000000