

HALO™ Analysis Report

Friday, September 15, 2023
12:33:50 PM

Image: Fused_HALO_section2_Br6432_Post_Star.tif

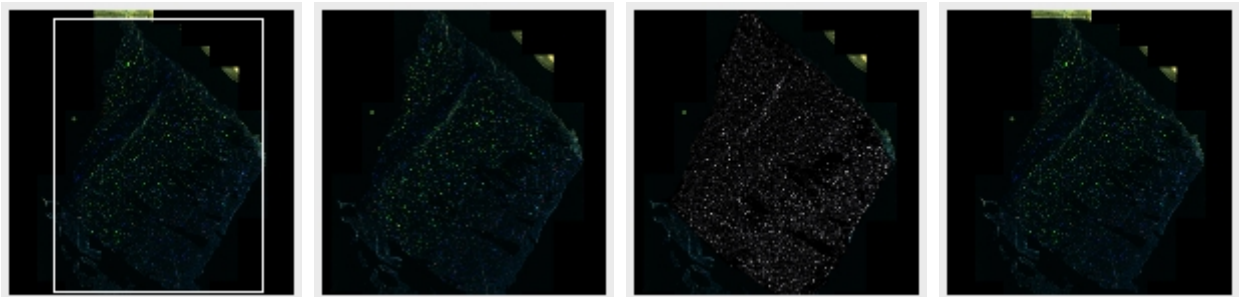
Algorithm: Indica Labs - FISH-IF v2.1.5

Setting: Decon_AKT3_Star_Cyto_Nuc_Copyintensity_LowOLIG_FINAL_R1_SMC2

Analysis Region: Layer 2

Analyzed: Friday, September 15, 2023 12:26 PM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	29692	DAPI (DAPI) Avg Positive Nuclei Intensity	38.507446
SLC17A7 (Opal 520) Positive Cells	4376	SLC17A7 (Opal 520) Avg Positive Cytoplasm Intensity	2.198799
OLIG2 (Alexa 647) Positive Cells	9482	OLIG2 (Alexa 647) Avg Positive Cytoplasm Intensity	0.061225
DAPI (DAPI) Positive Cells	29692	DAPI (DAPI) Avg Positive Cytoplasm Intensity	39.180023
SLC17A7 (Opal 520) Positive Nuclei Cells	4253	Total AKT3 (Opal 620) Copies	176189
OLIG2 (Alexa 647) Positive Nuclei Cells	9480	Total TMEM119 (Alexa 555) Copies	15612
DAPI (DAPI) Positive Nuclei Cells	29692	Total AKT3 (Opal 620) Area (µm²)	327324.375000
Negative Nuclei Cells	0	Total TMEM119 (Alexa 555) Area (µm²)	25161.439453
SLC17A7 (Opal 520) Positive Cytoplasm Cells	2022	Avg AKT3 (Opal 620) Copies Per Cell	5.933888
OLIG2 (Alexa 647) Positive Cytoplasm Cells	169	Avg TMEM119 (Alexa 555) Copies Per Cell	0.525798
DAPI (DAPI) Positive Cytoplasm Cells	9	Avg AKT3 (Opal 620) Area Per Cell (µm²)	11.023992
Negative Cytoplasm Cells	27496	Avg TMEM119 (Alexa 555) Area Per Cell (µm²)	0.847415
DAPI/AKT3 Cells	27452	Avg AKT3 (Opal 620) Cell Intensity	14.276802
OLIG2/AKT3 Cells	6815	Avg TMEM119 (Alexa 555) Cell Intensity	0.136942
SLC17A7/AKT3 Cells	3859	Avg AKT3 (Opal 620) Copies Per µm²	0.005901
TMEM119/AKT3 Cells	2002	Avg TMEM119 (Alexa 555) Copies Per µm²	0.000523
OLIG2 Cells	7421	% AKT3 (Opal 620) 0+	7.544120
SLC17A7 Cells	3860	% AKT3 (Opal 620) 1+	37.006599
TMEM119 Cells	2222	% AKT3 (Opal 620) 2+	36.784321
% SLC17A7 (Opal 520) Positive Cells	14.737977	% AKT3 (Opal 620) 3+	10.841304
% OLIG2 (Alexa 647) Positive Cells	31.934528	% AKT3 (Opal 620) 4+	7.823656
% DAPI (DAPI) Positive Cells	100.000000		
% SLC17A7 (Opal 520) Positive Nuclei Cells	14.323724		
% OLIG2 (Alexa 647) Positive Nuclei Cells	31.927792		
% DAPI (DAPI) Positive Nuclei Cells	100.000000		



% SLC17A7 (Opal 520) Positive Cytoplasm Cells	6.809915	% AKT3 (Opal 620) Positive	92.455879
% OLIG2 (Alexa 647) Positive Cytoplasm Cells	0.569177	AKT3 (Opal 620) H-Score	174.393784
% DAPI (DAPI) Positive Cytoplasm Cells	0.030311	% TMEM119 (Alexa 555) 0+	86.188202
% DAPI/AKT3 Positive Cells	92.455879	% TMEM119 (Alexa 555) 1+	9.534554
% OLIG2/AKT3 Positive Cells	22.952311	% TMEM119 (Alexa 555) 2+	2.852620
% SLC17A7/AKT3 Positive Cells	12.996767	% TMEM119 (Alexa 555) 3+	0.943015
% TMEM119/AKT3 Positive Cells	6.742557	% TMEM119 (Alexa 555) 4+	0.481611
% OLIG2 Positive Cells	24.993263	% TMEM119 (Alexa 555) Positive	13.811801
% SLC17A7 Positive Cells	13.000134	TMEM119 (Alexa 555) H-Score	19.995285
% TMEM119 Positive Cells	7.483497	Total Cell Area (μm^2)	4296372.500000
SLC17A7 (Opal 520) Avg Positive Nuclei Intensity	1.903713	Avg Cell Area (μm^2)	144.697983
OLIG2 (Alexa 647) Avg Positive Nuclei Intensity	0.069465	Avg Cytoplasm Area (μm^2)	110.568214
		Avg Nucleus Area (μm^2)	34.129765
		Avg Nucleus Perimeter (μm)	25.660822
		Avg Nucleus Roundness	0.771559
		Area Analyzed (μm^2)	29859144.000000