

HALO™ Analysis Report

Friday, September 15, 2023
02:29:41 PM

Image: HALO_allsections_AKT3_Star_Fused.tif

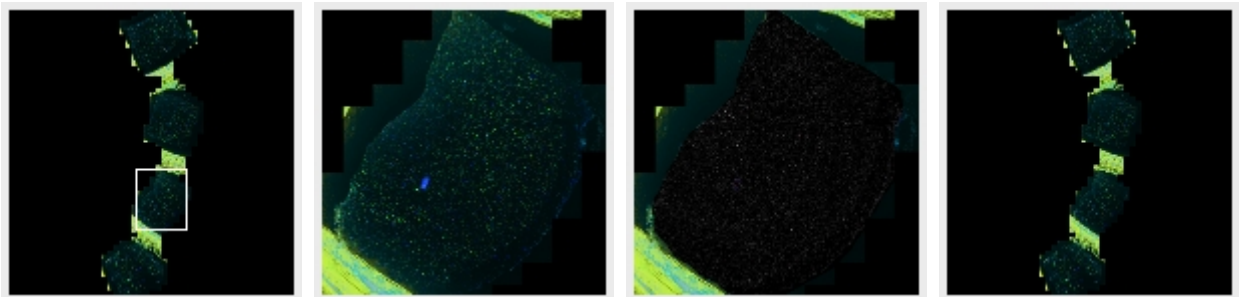
Algorithm: Indica Labs - FISH-IF v2.1.5

Setting: Decon_AKT3_Star_Cyto_Nuc_Copyintensity_FINAL_R4_SMC2

Analysis Region: Layer 7

Analyzed: Friday, September 15, 2023 2:28 PM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	35519	DAPI (DAPI) Avg Positive Nuclei Intensity	42.824921
SLC17A7 (Opal 520) Positive Cells	12014	SLC17A7 (Opal 520) Avg Positive Cytoplasm Intensity	2.990294
OLIG2 (Alexa 647) Positive Cells	1095	OLIG2 (Alexa 647) Avg Positive Cytoplasm Intensity	0.060224
DAPI (DAPI) Positive Cells	35519	DAPI (DAPI) Avg Positive Cytoplasm Intensity	75.737434
SLC17A7 (Opal 520) Positive Nuclei Cells	11996	Total AKT3 (Opal 620) Copies	259116
OLIG2 (Alexa 647) Positive Nuclei Cells	1095	Total TMEM119 (Alexa 555) Copies	1220
DAPI (DAPI) Positive Nuclei Cells	35519	Total AKT3 (Opal 620) Area (µm²)	424581.125000
Negative Nuclei Cells	0	Total TMEM119 (Alexa 555) Area (µm²)	8136.364746
SLC17A7 (Opal 520) Positive Cytoplasm Cells	7071	Avg AKT3 (Opal 620) Copies Per Cell	7.295138
OLIG2 (Alexa 647) Positive Cytoplasm Cells	10	Avg TMEM119 (Alexa 555) Copies Per Cell	0.034348
DAPI (DAPI) Positive Cytoplasm Cells	234	Avg AKT3 (Opal 620) Area Per Cell (µm²)	11.953634
Negative Cytoplasm Cells	28218	Avg TMEM119 (Alexa 555) Area Per Cell (µm²)	0.229071
DAPI/AKT3 Cells	33023	Avg AKT3 (Opal 620) Cell Intensity	23.670977
OLIG2/AKT3 Cells	835	Avg TMEM119 (Alexa 555) Cell Intensity	0.009574
SLC17A7/AKT3 Cells	11811	Avg AKT3 (Opal 620) Copies Per µm²	0.006327
TMEM119/AKT3 Cells	298	Avg TMEM119 (Alexa 555) Copies Per µm²	0.000030
OLIG2 Cells	924	% AKT3 (Opal 620) 0+	7.027225
SLC17A7 Cells	11852	% AKT3 (Opal 620) 1+	28.320055
TMEM119 Cells	343	% AKT3 (Opal 620) 2+	39.156509
% SLC17A7 (Opal 520) Positive Cells	33.824150	% AKT3 (Opal 620) 3+	13.665925
% OLIG2 (Alexa 647) Positive Cells	3.082857	% AKT3 (Opal 620) 4+	11.830288
% DAPI (DAPI) Positive Cells	100.000000		
% SLC17A7 (Opal 520) Positive Nuclei Cells	33.773472		
% OLIG2 (Alexa 647) Positive Nuclei Cells	3.082857		
% DAPI (DAPI) Positive Nuclei Cells	100.000000		



% SLC17A7 (Opal 520) Positive Cytoplasm Cells	19.907656	% AKT3 (Opal 620) Positive	92.972778
% OLIG2 (Alexa 647) Positive Cytoplasm Cells	0.028154	AKT3 (Opal 620) H-Score	194.951996
% DAPI (DAPI) Positive Cytoplasm Cells	0.658802	% TMEM119 (Alexa 555) 0+	98.817535
% DAPI/AKT3 Positive Cells	92.972778	% TMEM119 (Alexa 555) 1+	0.900926
% OLIG2/AKT3 Positive Cells	2.350854	% TMEM119 (Alexa 555) 2+	0.222416
% SLC17A7/AKT3 Positive Cells	33.252625	% TMEM119 (Alexa 555) 3+	0.030969
% TMEM119/AKT3 Positive Cells	0.838988	% TMEM119 (Alexa 555) 4+	0.028154
% OLIG2 Positive Cells	2.601425	% TMEM119 (Alexa 555) Positive	1.182466
% SLC17A7 Positive Cells	33.368057	TMEM119 (Alexa 555) H-Score	1.551282
% TMEM119 Positive Cells	0.965680	Total Cell Area (μm ²)	5204818.000000
SLC17A7 (Opal 520) Avg Positive Nuclei Intensity	2.676542	Avg Cell Area (μm ²)	146.536163
OLIG2 (Alexa 647) Avg Positive Nuclei Intensity	0.044807	Avg Cytoplasm Area (μm ²)	111.942482
		Avg Nucleus Area (μm ²)	34.593681
		Avg Nucleus Perimeter (μm)	25.911053
		Avg Nucleus Roundness	0.765178
		Area Analyzed (μm ²)	40952568.000000