

HALO™ Analysis Report

Friday, September 15, 2023
02:40:41 PM

Image: HALO_allsections_AKT3_Star_Fused.tif

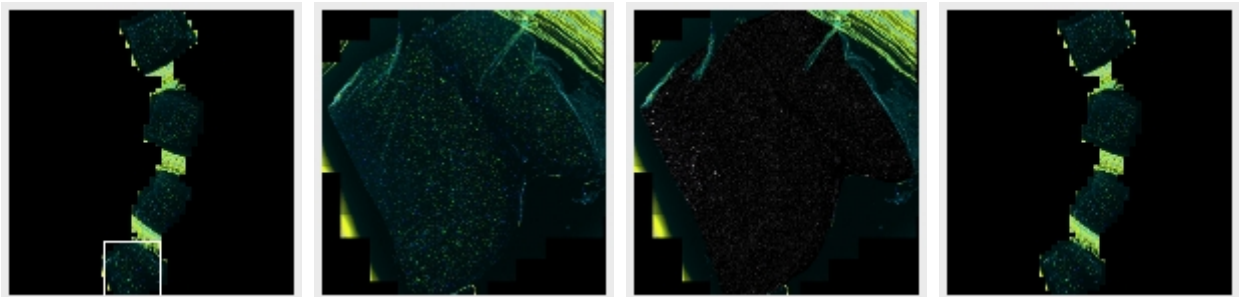
Algorithm: Indica Labs - FISH-IF v2.1.5

Setting: Decon_AKT3_Star_Cyto_Nuc_Copyintensity_FINAL_R4_SMC2

Analysis Region: Layer 8

Analyzed: Friday, September 15, 2023 2:38 PM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	41120	DAPI (DAPI) Avg Positive Nuclei Intensity	39.433510
SLC17A7 (Opal 520) Positive Cells	13804	SLC17A7 (Opal 520) Avg Positive Cytoplasm Intensity	3.150964
OLIG2 (Alexa 647) Positive Cells	1241	OLIG2 (Alexa 647) Avg Positive Cytoplasm Intensity	0.072589
DAPI (DAPI) Positive Cells	41120	DAPI (DAPI) Avg Positive Cytoplasm Intensity	37.691002
SLC17A7 (Opal 520) Positive Nuclei Cells	13777	Total AKT3 (Opal 620) Copies	294485
OLIG2 (Alexa 647) Positive Nuclei Cells	1238	Total TMEM119 (Alexa 555) Copies	4688
DAPI (DAPI) Positive Nuclei Cells	41120	Total AKT3 (Opal 620) Area (µm²)	503932.562500
Negative Nuclei Cells	0	Total TMEM119 (Alexa 555) Area (µm²)	25659.273438
SLC17A7 (Opal 520) Positive Cytoplasm Cells	8615	Avg AKT3 (Opal 620) Copies Per Cell	7.161600
OLIG2 (Alexa 647) Positive Cytoplasm Cells	126	Avg TMEM119 (Alexa 555) Copies Per Cell	0.114008
DAPI (DAPI) Positive Cytoplasm Cells	3	Avg AKT3 (Opal 620) Area Per Cell (µm²)	12.255169
Negative Cytoplasm Cells	32378	Avg TMEM119 (Alexa 555) Area Per Cell (µm²)	0.624010
DAPI/AKT3 Cells	37843	Avg AKT3 (Opal 620) Cell Intensity	25.568975
OLIG2/AKT3 Cells	675	Avg TMEM119 (Alexa 555) Cell Intensity	0.033329
SLC17A7/AKT3 Cells	13582	Avg AKT3 (Opal 620) Copies Per µm²	0.007023
TMEM119/AKT3 Cells	533	Avg TMEM119 (Alexa 555) Copies Per µm²	0.000112
OLIG2 Cells	837	% AKT3 (Opal 620) 0+	7.969358
SLC17A7 Cells	13646	% AKT3 (Opal 620) 1+	28.951849
TMEM119 Cells	694	% AKT3 (Opal 620) 2+	36.641537
% SLC17A7 (Opal 520) Positive Cells	33.570038	% AKT3 (Opal 620) 3+	14.744650
% OLIG2 (Alexa 647) Positive Cells	3.017996	% AKT3 (Opal 620) 4+	11.692607
% DAPI (DAPI) Positive Cells	100.000000		
% SLC17A7 (Opal 520) Positive Nuclei Cells	33.504379		
% OLIG2 (Alexa 647) Positive Nuclei Cells	3.010700		
% DAPI (DAPI) Positive Nuclei Cells	100.000000		



% SLC17A7 (Opal 520) Positive Cytoplasm Cells	20.950876	% AKT3 (Opal 620) Positive	92.030640
% OLIG2 (Alexa 647) Positive Cytoplasm Cells	0.306420	AKT3 (Opal 620) H-Score	193.239304
% DAPI (DAPI) Positive Cytoplasm Cells	0.007296	% TMEM119 (Alexa 555) 0+	97.363815
% DAPI/AKT3 Positive Cells	92.030640	% TMEM119 (Alexa 555) 1+	1.753405
% OLIG2/AKT3 Positive Cells	1.641537	% TMEM119 (Alexa 555) 2+	0.586089
% SLC17A7/AKT3 Positive Cells	33.030155	% TMEM119 (Alexa 555) 3+	0.201848
% TMEM119/AKT3 Positive Cells	1.296206	% TMEM119 (Alexa 555) 4+	0.094844
% OLIG2 Positive Cells	2.035506	% TMEM119 (Alexa 555) Positive	2.636187
% SLC17A7 Positive Cells	33.185799	TMEM119 (Alexa 555) H-Score	3.910506
% TMEM119 Positive Cells	1.687743	Total Cell Area (μm ²)	6131436.000000
SLC17A7 (Opal 520) Avg Positive Nuclei Intensity	2.703414	Avg Cell Area (μm ²)	149.110794
OLIG2 (Alexa 647) Avg Positive Nuclei Intensity	0.051602	Avg Cytoplasm Area (μm ²)	113.127220
		Avg Nucleus Area (μm ²)	35.983578
		Avg Nucleus Perimeter (μm)	26.542360
		Avg Nucleus Roundness	0.773218
		Area Analyzed (μm ²)	41929080.000000